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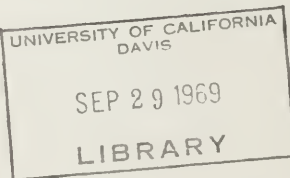
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BULLETIN No. 130-67

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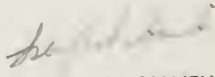
Volume III: CENTRAL COASTAL AREA



JUNE 1969

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California


WILLIAM R. GIANELLI
Director
Department of Water Resources

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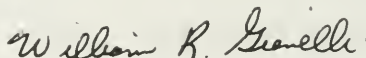
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WILLIAM R. GIANELLI
Director
Department of Water Resources

FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-67 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.



William R. Gianelli, Director
Department of Water Resources
State of California
May 5, 1969

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
Inch (in)	2.54 Centimeters
Foot (ft)	0.3048 Meter
Mile (mi)	1.609 Kilometers
Acre	0.405 Hectare
Square mile (sq. mi.)	2.590 Square kilometers
U. S. gallon (gal)	3.785 Liters
Acre foot (acre-ft)	1,233.5 Cubic meters
U. S. gallon per minute (gpm)	0.0631 Liters per second
Cubic feet per second (cfs)	1.7 Cubic meters per minute
1 part per million (ppm)	1 milligram per liter (mg/l)
1 part per billion (ppb)	1 microgram per liter (ug/l)
1 part per trillion (ppt)	1 nanogram per liter (ng/l)
1 equivalent per million (epm)	1 milliequivalent per liter (me/l)

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2	Ground Water Basins or Units in the Central Coastal Area, 1967
3	Surface Water Stations in the Central Coastal Area, 1967

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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United States Army, Post Engineer,
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United States Bureau of Reclamation
United States Coast Guard
United States Geological Survey
United States Soil Conservation Service
United States Weather Bureau

State

California Department of Public Health
California Department of Veterans
Affairs
California Division of Highways
California Division of Forestry
University of California, Agricultural
Extension Service
North Coastal Water Quality Control
Board
San Francisco Bay Regional Water
Quality Control Board
Central Coastal Regional Water Quality
Control Board
State Water Resources Control Board

Local

Alameda County Flood Control and
Water Conservation District
Alameda County Water District
Marin County
Mendocino County
Monterey County Flood Control and
Water Conservation District
Napa County
San Benito County
San Luis Obispo County Flood Control
and Water Conservation District
Santa Clara County Flood Control and
Water District
Santa Clara Valley Water Conservation
District
Santa Cruz County, Department of
Public Works
Solano Irrigation District
Sonoma County Flood Control and
Water Conservation District
South Santa Clara Valley Water
Conservation District

ABSTRACT

Tables show data on climate, surface water flow, ground water levels, and surface and ground water quality during the 1966-67 water year, and waste water from July 1, 1965, through September 30, 1967, in the Central Coastal Area. Figures show the status of sea water intrusion in the Santa Clara Valley East Bay area, average depth to water in wells, specific conductance in Alameda Creek near Niles, and waste water discharge locations. Plates show locations of climatological stations, ground water basins or units, and surface water measurement and quality stations.

Appendix A
CLIMATOLOGICAL DATA

INTRODUCTION

This appendix is a summary of monthly precipitation, temperature, wind movement, and evaporation data for the Central Coastal Area from July 1, 1966 to September 30, 1967. Fourteen cooperating agencies and twenty-eight local observers supplied the data. More detailed daily and hourly data for some of the stations are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected regularly to see that equipment is properly maintained and that, generally, observations are taken in accordance with U. S. Weather Bureau standards.

Each station for which data are included in this appendix has been assigned an identification number. The first two digits denote the drainage basin; the remaining digits denote the alphabetical sequence of the station. The drainage basin designations are as follows:

Central Coastal Area

D0 Santa Cruz
D1 Pajaro-San Benito Rivers
D2 Lower Salinas River
D3 Upper Salinas River
D4 Monterey Coast

San Francisco Bay Area

E0 San Francisco Bay
E1 Coast-Marin
E2 Marin-Sonoma
E3 Napa-Sonoma
E4 East Bay
E5 Alameda Creek
E6 Santa Clara Valley
E7 Bayside-San Mateo
E8 Coast-San Mateo

North Coastal Area

F8 Mendocino Coast
F9 Russian River

Index of Climatological Stations

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

40-Acre Tract - This denotes the location of the station within the section in which it is located. The letter code is derived from this diagram.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperator
407	San Benito County
411	Marin County
413	Marin Municipal Water District
414	Santa Clara Valley Water Conservation District
418	Vallejo Water Department
426	Santa Clara County Flood Control and Water District
804	State Department of Beaches and Parks
806	State Department of Water Resources
808	State Division of Forestry
809	State Division of Highways
900	U. S. Weather Bureau
901	Corps of Engineers, San Francisco District
907	State Climatologist (unpublished USWB)
909	U. S. Soil Conservation Service

Cooperator's Index Number - This indicates the number assigned to the station by the agency responsible for, or handling, the records of the station.

County - The code for counties included in the index of climatological stations is as follows:

Alameda	60	San Francisco	80
Contra Costa	07	San Luis Obispo	40
Marin	21	San Mateo	41
Mendocino	23	Santa Clara	43
Monterey	27	Santa Cruz	44
Napa	28	Solano	48
San Benito	35	Sonoma	49

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

CENTRAL COASTAL AREA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude	Longitude	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name														
E6 0053	ALAMITOS PERC POND	185										1959			43
E4 0064	ALAMO 1 N	410	SEC 12	T01S	R02W	M	37 15 18	121 52 18	414			1957			43
E6 0125	ALMADEN RESERVOIR	640	SEC 11	T09S	R01E	E	37 10 00	121 50 00	414			1936			43
F9 0135	ALPINE DAM	680		T01N	R07W	M	37 56 30	122 38 18	413			1925			21
E3 0212	ANGWIN F U C	1815	SEC 05	T08N	R05W	M	38 34 18	122 26 12	900			1939			28
D2 0322	ARROYO SECO	800	SEC 36	T19S	R04E	M	36 14 00	121 29 00	900			1931			27
D3 0360-01	ATASCADERO MAINT STA	940	SEC 26	T28S	R12E	R	35 27 30	120 38 24	809	L145		1948			40
E3 0372	ATLAS ROAD	1735	SEC 25	T07N	R04W	M	38 25 00	122 15 00	900			1940			28
DO 0676	BEN LOMOND NO 2	375	SEC 04	T10S	R02W	M	37 06 00	122 05 00	900			1965	1967		44
DO 0677	BEN LOMOND NO 3	720	SEC 10	T10S	R01W	M	37 05 00	122 04 00	900			1967			44
E4 0693	BERKELEY	299		T01S	R03W	M	37 52 00	122 15 00	900			1887			60
D4 0790	BIG SUR STATE PARK	240	SEC 30	T19S	R02E	M	36 15 00	121 47 00	900			1914			27
E6 0850	BLACK Mtn 2 SW	2331	SEC 36	T07S	R03W	M	37 18 00	122 10 00	900			1843			43
F9 0876	BLAKES LANDING	40	SEC 13	T04N	R10W	M	38 11 42	122 55 00	000			1956			21
F9 0969	BON TEMPE DAM	723	SEC 11	T01N	R07W	M	37 57 24	122 36 36	413			1958			21
F8 0973	BOONVILLE HMS	340	SEC 02	T13N	R14W	F	39 00 54	123 22 18	900	PN0971		1936			23
F8 0973-02	BOONVILLE FARRER	395		T13N	R14W	M	39 00 48	123 22 12	901			1951			23
DO 1005	BOULDER CK LOCATELLI	2180	SEC 16	T09S	R03W	M	37 09 00	122 12 00	900			1943			44
D3 1034	BRADLEY	540	SEC 08	T24S	R11E	M	35 52	120 48	900			1946			27
D3 1142	BRYSON	925	SEC 34	T24S	R08E	M	35 48 00	121 05 00	900			1946			27
01 1170	BUENA VISTA	1640	SEC 27	T13S	R07E	R	36 46 00	121 11 00	900			1932			35
E7 1206	BURLINGAME	10		T04S	R05W	M	37 35 00	122 21 00	900			1946			41
E4 1216	BURTON RANCH	530	SEC 09	T01S	R02W	M	37 52 00	122 05 00	900			1955			07
D1 1247	BUZZARD LAGOON	1275	SEC 26	T10S	R01E	M	37 02 00	121 50 00	000			1959			44
E5 1281	CALAVERAS RESERVOIR	805	SEC 24	T05S	R01E	M	37 29 12	121 49 06	900			1874			60
E6 1285	CALERO RESERVOIR	500	SEC 04	T09S	R02E	E	37 10 48	121 45 48	414			1958			43
E3 1312	CALISTOGA	365	SEC 36	T09N	R07W	M	38 35 00	122 35 00	900			1873			28
E6 1341-10	CAMBRIAN PARK						37 15 12	121 55 24	426						43
E6 1377-01	CAMPBELL WATER CO	192	SEC 35	T01S	R01W	C	37 17 00	121 57 00	000			1897	09		43
D4 1534	CARMEL VALLEY	425		T17S	R02E	M	36 29 00	121 44 00	900			1957			27
E3 1537	CARNEROS VALLEY	300	SEC 13	T05N	R05W	M	38 17 00	122 21 30	901			1931			28
F9 1602	CAZADERO	1040	SEC 13	T08N	R12W	M	38 32 00	123 07 00	900			1939			49
D1 1739	CHITTENDEN PASS	125	SEC 12	T12S	R03E	M	36 54 00	121 36 00	900			1945			35
D1 1739-01	CHITTENDEN	104	SEC 11	T12S	R03E	K	36 54 08	121 36 17	909			1960			44
D3 1743	CHOLANE ALLEY RANCH	1753	SEC 12	T26S	R16E	M	35 43 00	120 15 00	900			1925			40
D1 1766	CLENEGA	900	SEC 18	T14S	R06E	B	36 42 54	121 20 48	407			1950			35
F9 1838	CLOVERDALE 3 SSE	320	SEC 29	T11N	R10W	M	38 46 00	122 59 00	900			1950			49
F9 1840	CLOVERDALE 11 W	1820	SEC 17	T11N	R12W	M	38 46 00	123 13 00	900			1939			49
E3 1919	COLLINSVILLE	34	SEC 22	T03N	R01E	F	38 05 26	121 51 17	000			1947			48
E4 1962	CONCORD 3 E	200		T01N	R01W	M	37 58 00	121 59 00	900			1954			07
DO 2048	CORRALITOS	260	SEC 12	T11S	R02E	M	36 59	121 48	900			1958			43
F9 2105	COYOTE DAM	720	SEC 34	T16N	R12W	M	39 11 00	123 11 00	901			1960			23
E6 2109	COYOTE RESERVOIR	800	SEC 09	T10S	R04E	C	37 05 06	121 32 24	414			1938			43
DO 2159	CREST RANCH	2640					37 05 06	122 08 00	000			1948			44
E4 2177	CROCKETT	12	SEC 32	T03N	R03W	M	38 02 00	122 13 00	900			1918			07
DO 2290	DAVENPORT	273	SEC 32	T10S	R03W	Q	37 01	122 12	900			1910			44
D2 2362	DEL MONTE	46		T15S	R01E	M	36 36 00	121 52 00	900			1911			27
E3 2399-48	DENVERTON 1 S	22	SEC 08	T04N	R01E	F	38 12 23	121 53 28	000			1950			48
E3 2580	DUTTONS LANDING	20					38 12 00	122 18 00	900			1955			28
E3 2933	FAIRFIELD	15	SEC 25	T05N	R02W	M	38 15 00	122 03 00	900			1940			48
E3 2934	FAIRFIELD POLICE STA	19	SEC 26	T05N	R02W	M	38 15 00	122 03 00	900			1951			48
F8 3161	FORT BRAGG	80	SEC 07	T18N	R17W	M	39 27 00	123 48 00	900			1895			13
F8 3164	FORT BRAGG AVIATION	74	SEC 25	T18N	R17W	M	39 24 00	123 49 00	900			1940			13
F8 3191	FORT ROSS	116	SEC 30	T08N	R12W	D	38 31	123 15	900			1874			49
D1 3232	FREEDOM 8 NNW	1495	SEC 24	T10S	R01E	M	37 03 00	121 49 00	900			1952			44
D1 3238	FREMONT PEAK	2500					36 45 36	121 29 54	000			1950			35
E5 3387	GERBER RCH	2140	SEC 36	T06S	R04E	P	37 22 00	121 29 12	900			1912			43
F9 3395-07	GEYSERVILLE HOCKING	200	SEC 18	T10N	R09W	J	38 43 00	122 53 30	806			1965			49
D1 3417	GILROY	194	SEC 06	T11S	R04E	M	37 00 00	121 34 00	900			1957			43
D1 3419	GILROY 8 NE	1050	SEC 28	T10S	R05E	M	37 02 00	121 26 00	900			1942			43
D1 3422	GILROY 14 ENE	1350	SEC 05	T10S	R06E	M	37 06 00	121 20 00	900			1940			43
D2 3502	GONZALES 9 ENE	2350	SEC 15	T16S	R06E	M	36 33 00	121 18 00	900			1943			35
F9 3577	GRATON	200	SEC 21	T07N	R09W	M	38 25 54	122 51 48	000			1928			49
F9 3578	GRATON 1 W	190	SEC 20	T07N	R09W	M	38 26 00	122 53 00	900			1896			49
D2 3591	GREENFIELD BAKER	280					36 19 24	121 14 36	901			1947			26
E3 3612-01	GREEN VALLEY	414	SEC 03	T05N	R03W	M	38 17 00	122 10 00	418			1893	18		48
E6 3681	GUADALUPE RESERVOIR	450	SEC 29	T08S	R01E	Q	37 12 00	121 53 00	414			1936			43
F9 3683	GUERREVILLE	1115	SEC 25	T08N	R10W	M	38 30 00	123 00 00	900			1939			49
E8 3714	HALF MOON BAY	60	SEC 29	T05S	R05W	M	37 28 00	122 26 00	900			1965			41
D3 3722	HAMES VALLEY	725	SEC 32	T23S	R10E	M			007			1963			27

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67
CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						0	I	II	0	I	II						
E4 3863	HAYWARD 6 ESE	715	SEC 21	T03S	R01W	M	37	39	00	121	59	00	900		1940		60	
F9 3875	HEALDSBURG	101	SEC 19	T09N	R09W	M	38	37		122	50		900		1877		49	
F9 3878	HEALDSBURG NO 2	102		T09N	R09W	M	38	37		122	50		900		1943		49	
D1 3925	HERNANDEZ 2 NW	2160	SEC 29	T17S	R10E	M	36	25	00	120	55	00	900		1940		35	
D1 3928	HERNANDEZ 7 SE	2765	SEC 06	T19S	R12E	M	36	18	00	120	42	00	900		1940		35	
D1 4022	HOLLISTER	285		T12S	R05E	M	36	51	00	121	24	00	900		1874		35	
D1 4025	HOLLISTER 2	284		T12S	R05E	M	36	51	00	121	24	00	900		1938		35	
D1 4035	HOLLISTER 10 ENE	2578	SEC 08	T12S	R07E	M	36	55	00	121	14	00	900				35	
F9 4100	HOPLAND LARGO STA	550		T13N	R12W	M	39	01	00	123	07	00	900		1948		23	
F9 4277	INVERNESS MERY	150				M	38	05	24	122	51	06	000		1951		21	
F9 4480	KELLOGG	1800	SEC 09	T09N	R07W	M	38	40	00	122	40	00	900		1936		49	
E2 4500	KENTFIELD	90				M	37	57	00	122	33	00			1888		21	
F9 4502	KENT LAKE	360		T02N	R08W	M	37	59	54	122	42	30	413		1954		21	
D2 4555	KING CITY	320	SEC 18	T20S	R08E	M	36	12	00	121	08	00	900		1887		27	
F9 4593	KNIGHTS VALLEY	480	SEC 18	T09N	R07W	M	38	37	00	122	40	00	900		1964		49	
E4 4633	LAFAYETTE 2 NNE	540				M	37	55	00	122	06	00	900		1956		07	
F9 4652	LAGUNITAS LAKE	785		T01N	R07W	M	37	56	48	122	35	42	413		1881		21	
E8 4660	LA HONDA	780	SEC 14	T07S	R04W	M	37	19	00	122	16	00	900		1950		41	
E3 4677	LAKE CURRY	396	SEC 19	T06N	R02W	M	38	21	18	122	07	18	418		1926	09	28	
D3 4767	LA PANZA RANCH	1550	SEC 20	T29S	R17E	M	35	23	00	120	10	00	900		1948		40	
E6 4916	LEROY ANDERSON DAM	700	SEC 10	T09S	R03E K	M	37	09	48	121	37	48	414		1950		43	
E6 4922	LEXINGTON RESERVOIR	700	SEC 05	T09S	R01W J	M	37	10	36	121	59	18	414		1951		43	
D3 4963	LINN RANCH	870	SEC 07	T26S	R12E F	M	35	41	06	120	43	24	000		1925		40	
E5 4994-01	LIVERMORE COUNTY F D	490	SEC 17	T03S	R02E	M	37	40	00	121	46	00	000		1966		60	
E5 4996	LIVERMORE SEWAGE PLT	408	SEC 12	T03S	R01E A	M	37	41	45	121	48	20	000		1961		60	
E5 4997	LIVERMORE 2 SSW	565	SEC 20	T03S	R02E	M	37	39	00	121	47	00	900		1871		60	
D3 5017	LOCKWOOD 2 N	1104	SEC 34	T22S	R08E	M	35	58	00	121	05	00	900		1940		27	
E6 5123	LOS GATOS	428		T08S	R01W	M	37	13	00	121	59	00	900		1885		43	
E6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W H	M	37	07	24	121	56	00	000		1947		43	
D0 5125	LOS GATOS 4 SW	2400	SEC 01	T09S	R02W	M	37	11		122	02		900		1957		43	
D4 5184	LUCIA WILLOW SPRINGS	360	SEC 05	T24S	R05E	M	35	53	00	121	27	00	900		1941		27	
E3 5333	MADE ISLAND NAVY	52		T03N	R03W	M	38	06		122	16	12	900		1867		48	
E4 5371	MARTINEZ 3 S	225		T02N	R02W	M	37	58	00	122	08	00	900		1941		07	
E4 5372	MARTINEZ 3 SSE	280				M	37	58		122	06		900		1956		07	
E4 5377	MARTINEZ FIRE STN	26		T02N	R02W	M	38	01	00	122	08	00	900		1891		07	
E2 5647	MILL VALLEY	10	SEC 31	T01N	R06W	M	37	53	48	122	31	36	411		1944		21	
D4 5795	MONTEREY	385		T15S	R01E	M	36	36	00	121	54	00	900		1878		27	
E6 5844	MORGAN HILL 2 E	225		T09S	R03E	M	37	08	00	121	37	00	900		1943		43	
E6 5846	MORGAN HILL 6 WNW	660	SEC 16	T09S	R02E	M	37	09	00	121	46	00	900				43	
D1 5853	MORGAN HILL SCS	350	SEC 28	T09S	R03E	M	37	08	00	121	39	00	900		1945		43	
E4 5915	MOUNT DIABLO N GATE	2100	SEC 12	T01S	R01W	M	37	52	00	121	56	00	900		1952		07	
E5 5933	MOUNT HAMILTON	4206		T07S	R03E	M	37	20	00	121	39	00	900		1881		43	
D1 5973	MOUNT MADONNA	1800	SEC 35	T10S	R02E	M	37	01	00	121	43	00	900		1945		44	
D1 5973-11	MOUNT MADONNA CO PK	1880	SEC 01	T11S	R02E B	M	37	00	42	121	42	12	909		1937		43	
E2 5996	MT TAMALPAIS 2 SW	1480				M	37	54		122	36		900		1959		21	
E2 6027	MUIR WOODS	170				M	37	54	00	122	34	00	900		1940		21	
D3 6056	NACIMIENTO DAM	770	SEC 15	T25S	R10E	M	35	46	00	120	53	00	900		1957		40	
E3 6067	NAFA 5 NNN	30	SEC 16	T06N	R04W	M	38	22	00	122	18	00	900		1966		28	
E3 6074	NAFA STATE HOSPITAL	60	SEC 14	T05N	R04W H	M	38	17	00	122	16	00	900		1877		28	
F9 6105	NAVARO 1 NW	220	SEC 18	T15W	R15W	M	39	10	00	123	34	00	900		1958		23	
E5 6144	NEWARK	14	SEC 01	T05S	R02W Q	M	37	31	18	122	01	43	900		1891		60	
F9 6187	NICASIO												413				21	
E5 6199-10	NILES PINNA	75		T04S	R01N	M	37	35	00	121	58	00	000		1962		60	
E2 6290	NOVATO 8 WNW	350	SEC 24	T04N	R08W	M	38	08	00	122	43	00	900		1943		21	
E2 6290-02	NOVATO FIRE HOUSE	18				M	38	06	30	122	33	42	411		1957		21	
E4 6332-01	OAKLAND 39TH AVE			T02S	R03W	M							907		1960		60	
E4 6333	OAKLAND CITY HALL	40	SEC 35	T01S	R04W	M	37	48	00	122	16	00	900		1949		60	
E4 6335	OAKLAND WB AP	3				M	37	44	00	122	12	00	900		1939		60	
E3 6351	OAKVILLE 1 WNW	160	SEC 21	T07N	R05W	M	38	27	00	122	25	00	900		1906		28	
E3 6356	OAKVILLE 4 SW NO 2	1685	SEC 01	T06N	R06W	M	38	24	00	122	28	00	900		1963		28	
F9 6370	OCCIDENTAL	1000	SEC 33	T07N	R10W	M	38	25	00	122	59	00	900		1940		49	
D1 6610	PAICINES OHRWALL RCH	950	SEC 12	T14S	R05E	M	36	44	00	121	22	00	900		1924		35	
E6 6646	PAJO ALTO CITY HALL	23	SEC 01	T06S	R03W	M	37	27	00	122	08	00	900		1953		43	
D2 6650	PALOHA	1835	SEC 23	T18S	R04E	M	36	21	00	121	30	00	900		1940		27	
D3 6703	PARKFIELD	1482	SEC 35	T23S	R14E	M	35	53	00	120	26	00	900		1938		27	
D3 6706	PARKFIELD 7 NNN	3590	SEC 21	T22S	R14E N	M	36	59	46	120	28	26	900		1948		27	
D3 6730	PASO ROBLES	700	SEC 33	T26S	R12E	M	35	38	00	120	41	00	900		1887		40	
D3 6736	PASO ROBLES 5 NW	995	SEC 13	T26S	R11E	M	35	41	00	120	45	00	900		1940		40	
D3 6742	PASO ROBLES FAA AP	803	SEC 13	T26S	R12E	M	35	40	00	120	38	00	900		1944		40	
E6 6791-43	PENITENCIA RAIN GAGE	255	SEC 23	T06S	R01E L	M	37	24	00	121	49	54	426				43	

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67
CENTRAL COASTAL AREA

Station		Elevation (In Feet)	Section	Township	Range	40-42-Acre Tract Base & Meridian	Latitude		Longitude		Cooperator Number	Cooperator's Number	Record Begin	Record End	Trans. Missing	County Code
Number	Name						I	II	I	II						
E2 6826	PETALUMA FS NO 2	16	SEC 33	T05N	R07W	M	38 14	00	122 38	00	900		1871			49
E2 6826-01	PETALUMA BURNS	240	SEC 02	T04N	R08W	M	38 13	00	122 42	48	901		1959			49
F8 6851-01	PHILO 2 NW	240		T14N	R15W	M	39 05	30	123 28	30	000		1953			43
F8 6851-02	PHILO 4 NW	240	SEC 33	T15N	R15W	M	39 01	00	123 37	00	000					43
F9 6853	PHOENIX LAKE DAM	175				M	37 57	18	122 34	24	413		1937			21
D2 6926	PINNACLES NAT MON	1310	SEC 02	T17S	R07E	M	36 29	00	121 11	00	900		1937			31
E5 6991-05	PLEASANTON NURSERY	345	SEC 20	T03S	R01E	M	37 40	00	122 53	00	000		1939			60
F8 7009	POINT ARENA	122	SEC 12	T12N	R17W	M	38 55	00	123 42	00	900		1940			23
E4 7070	PORT CHICAGO NAD	50		T02N	R01W	M	38 01	00	122 01	00	900		1946			07
E8 7086	PORTOLA STATE PARK	422	SEC 08	T08S	R03W Q	M	37 14	42	122 12	42	901		1959			41
F9 7108	POTTER VALLEY 3 SE	1100	SEC 27	T17N	R11W	M	39 18	00	123 04	00	900		1952			23
F9 7109	POTTER VALLEY PH	1014	SEC 06	T17N	R11W	M	39 22	00	123 08	00	900		1911			23
D2 7150	PRIEST VALLEY	2300	SEC 21	T20S	R12E	M	36 11	00	140 42	00	900		1898			27
D1 7190	QUIEN SABA WAY CAMP	1630	SEC 27	T12S	R07E M	M	36 51	30	121 11	48	000		1949			35
D1 7249	RANCHO QUIEN SABA	1800	SEC 04	T13S	R07E D	M	36 50	12	121 12	48	000		1931			35
E6 7339	REDWOOD CITY	31		T05S	R03W	M	37 29	00	122 14	00	900		1899			41
F9 7351	REDWOOD VALLEY	718	SEC 09	T16N	R12W	M	39 16	00	123 12	00	900		1937			23
E4 7414	RICHMOND	55				M	37 56	00	122 21	00	900		1950			07
D4 7539-01	ROOSEVELT RANCH	1100	SEC 24	T20S	R02E	M	36 10	48	121 41	48	000		1946			27
E3 7643	SAINT HELENA	255	SEC 31	T08N	R05W N	M	38 30		122 28		900		1907			28
E3 7646	SAINT HELENA 4 WSW	1792	SEC 04	T07N	R06W	M	38 30	00	122 32	00	900		1939			21
E4 7661	SAINT MARYS COLLEGE	625	SEC 17	T01S	R02W	M	37 50	00	122 06	00	900		1942			07
D2 7668	SALINAS 2 E	80				M	36 40	00	121 37	00	900		1958			27
D2 7669	SALINAS FFA AP	80		T14S	R03E	M	36 40	00	121 36	00	900		1873			27
D3 7672	SALINAS DAM	1380	SEC 08	T30S	R14E	M	35 20	00	120 30	00	900		1942			40
D2 7673	SALINAS DE DAMPIERRE	125	SEC 13	T14S	R03E P	M	36 42	30	121 35	06	806		1960			27
E2 7707-01	SAN ANSELMO	100				M	37 58	36	122 33	42	411		1957			21
D3 7714	SAN ANTONIO MISSION	1060	SEC 18	T22S	R07E	M	36 01	00	121 15	00	900		1959			27
D2 7716	SAN ARDO	440	SEC 16	T22S	R10E K	M	36 00	48	120 54	06	900		1894			27
D1 7719	SAN BENITO	1355	SEC 27	T16S	R08E H	M	36 30	30	121 04	54	900		1936			35
D4 7731	SAN CLEMENTE DAM	600	SEC 23	T17S	R02E	M	36 26	12	121 42	30	900	NPGS18	1940			27
D1 7755	SAN FELIPE HIGHWAY STN	365		T10S	R06E	M	37 01	00	121 20	00	900		1941			43
E8 7767	SAN FRANCISCO SUNSET	32		T02S	R06W	M	37 46	00	122 30	00	900		1948			80
E7 7769	SAN FRANCISCO WB AP	8				M	37 37	00	122 23	00	900		1928			41
E7 7772	SAN FRANCISCO F O B	52				M	37 47	00	122 25	00	900		1931			80
E8 7807	SAN GREGORIO 2 SE	275	SEC 23	T07S	R05W	M	37 18	00	122 22	00	900		1964			-1
E6 7821	SAN JOSE	70		T07S	R01E	M	37 21	00	121 54	00	900		1874			-3
E6 7824-01	SAN JOSE DECID FFS	90	SEC 15	T07S	R01W J	M	37 19	00	121 57	00	801		1935			-3
D1 7834	SAN JUAN BAUTIST 3 SSE	615	SEC 10	T13S	R04E	M	36 49	00	121 31	00	900		1943			35
D1 7835	SAN JUAN BAUTISTA MI	200				M	36 50	42	121 31	00	804		1900			02 35
D2 7845-10	SAN LUCAS GUIDICI	380	SEC 08	T21S	R09E B	M	36 07	25	121 01	09	806		1962	1966		27
E7 7864	SAN MATEO	30	SEC 29	T04S	R04W	M	37 34	00	122 19	00	900		1874			-1
E2 7880	SAN RAFAEL	31				M	37 58	00	122 32	00	900		1948			21
E2 7880-08	SAN RAFAEL NO 1	25		T02N	R06W	M	37 58	24	122 31	30	-13		1876			21
E6 7912	SANTA CLARA UNIV	88		T07S	R01W	M	37 21	00	121 56	00	900		1881			-3
D0 7916	SANTA CRUZ	125				M	36 59	00	122 01	00	900		1866			40
D3 7930	SANTA MARGARITA 2 SW	1200	SEC 36	T29S	R12E	M	35 22	-00	120 38	00	900		1940			40
D3 7933	SANTA MARGARITA BSTR	1100	SEC 25	T29S	R12E	M	35 22	00	120 38	00	900		1931			03 46
F9 7964	SANTA ROSA SEWAGE PLT	20	SEC 21	T07N	R08W P	M	38 26	24	122 55	12	000		1956			49
F9 7965	SANTA ROSA	167		T07N	R08W	M	38 27	00	122 42	00	900		1888			-9
E6 7998-01	SARATOGA CLARK	272		T07S	R01W	M	37 16	48	121 59	42	414		1956			-3
E6 7998-02	SARATOGA GAP MAINT					M					809					-3
E6 7998-03	SARATOGA KRIEGER			T08S	R02W	M	37 15	00	122 02	00	414		1960			-3
E6 8068	SEARSVILLE LAKE	350	SEC 12	T06S	R03W	M	37 24	00	122 14	00	900		1949			-1
F9 8072	SEBASTOPOL 4 SSE	150	SEC 06	T06N	R09W	M	38 21	00	122 49	00	900		1935			-9
F9 8272	SNAGGS SPR LAS LOMAS	1930	SEC 36	T10N	R12W	M	38 41	00	123 08	00	900		1939			40
D2 8276	SLACK CANYON	1730	SEC 22	T21S	R12E	M	36 05	00	122 40	00	900		1955			-5
D2 8338	SOLEDAD	264		T17S	R06E	M	36 26	00	121 19	00	900		1874			-7
D2 8338-01	SOLEDAD CTF	230	SEC 12	T17S	R05E B	M	36 28	26	121 22	34	900		1961			-7
E2 8351	SONOMA	70	SEC 18	T05N	R05W	M	38 17	00	122 27	00	900		1952			-9
E0 8376	S E FARALLON	27				M	37 42	00	123 08	00	900		1941			80
D2 8446	SPECKELS HWY BRIDGE	60		T15S	R03E	M	36 36	00	121 41	00	900		1905			-2
E6 8446-01	SPECKELS	48	SEC 16	T15S	R03E	M	36 37		121 39		1800		1911			-2
D2 8447	SPECKELS WILLY LAG SE	255	SEC 24	T08S	R01E	M	37 12	11	121 43	22	414		1961			-3
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W H	M	37 18	00	122 05	00	414		1937			-3
D1 8680	SUNSET BEACH ST PARK	85		T12S	R01E	M	36 54	00	121 50	00	900		1956			-4
E2 8779	TAMALPAIS VALLEY	250				M	37 52	42	122 32	36	901		1959			21
D3 8849	TEMPLETON	773	SEC 29	T27S	R12E	M	35 32	36	122 44	21	900		1986			45 40
F9 8885	THE GEYSERS	1600	SEC 23	T11N	R09W	M	38 48	00	122 49	00	900		1939			44
E2 8920-21	TIBURON TOPHAM	400		T01S	R03W	M	37 52	44	122 27	12	900		1960			-1

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

CENTRAL COASTAL AREA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Box & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	II	O	I	II						
F9 9122	UKIAH	623	SEC 17	T15N	R12W	M	39	09	00	123	12	00	900		1877		23	
F9 9124	UKIAH & WSW	1900	SEC 27	T15N	R13W	M	39	08	00	123	16	00	900		1951		07	23
E4 9185	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	C	M	37	46	00	122	10	00	900		1944		07
D1 9189	UPPER TRES PINOS	2050	SEC 07	T15S	R09E	M	36	38		121	02		900		1940		35	
D3 9221	VALLETON	950	SEC 32	T23S	R12E	M	35	53	00	120	42	00	900		1940		27	
E6 9270	VASONA RESERVOIR	300				M	37	14	36	121	58	00	426				43	
F9 9273	VENADO	1260	SEC 19	T09N	R10W	M	38	37	00	123	01	00	900		1939		49	
E3 9305	VETERANS HOME	170	SEC 01	T06N	R05W	M	38	23		122	22		000		1912		28	
E4 9420	WALMAR SCHOOL	128				M	37	57	00	122	05	00	900		1954		07	
E4 9423	WALNUT CREEK 2 ESE	245	SEC 36	T01N	R02W	M	37	53	00	122	02	00	900		1887		07	
E4 9426	WALNUT CREEK 2 ENE	220	SEC 30	T01N	R02W	M	37	54	00	122	01	00	900		1944		07	
E4 9427	WALNUT CREEK 4 E	400				M	37	54	00	121	59	00	900		1954		07	
D1 9473	WATSONVILLE WATERWKS	95				M	36	56	00	121	46	00	900		1880		44	
D0 9675	WILDER RANCH	50				M	36	57	36	122	05	24	000		1924		44	
E3 9675-41	WILD HORSE VALLEY	1240	SEC 10	T05N	R03W	D	M	38	17	53	122	11	13	418			48	
F9 9770	WOODACRE	430	SEC 22	T02N	R07W	K	M	38	00	24	122	38	30	808	049770	1950		21
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W	M	37	08	00	121	57	00	900		1918		43	
F8 9851	YORKVILLE	1100	SEC 08	T12N	R12W	M	38	54	00	123	14	00	900		1939		23	
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P	M	38	26	05	122	22	05	806		1962		28

Precipitation Data

Abbreviations and symbols used in connection with precipitation data are as follows:

- RE - Record ends.
- RB - Record begins.
- T - Trace.
- E - Estimated.
- - No record or record incomplete.

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
CENTRAL COASTAL AREA																	
SANTA CRUZ (DO)																	
Ben Leonard No 2	71.07	0.24	T	0.30	0.00	12.07	11.13	20.16	0.35	14.55	10.07	0.00	2.20	0.00	RE	0.00	--
Ben Leonard No 3	--	0.00	0.00	0.25	0.00	15.77	11.12	--	0.30	14.99	10.44	0.70	3.67	0.00	RB	0.00	--
Boulder Cr Locastelli	29.34E	0.00	0.00	0.00	0.00	5.51E	4.28	5.36	0.35	5.62	5.20	0.53	1.22	0.00	0.00	0.00	29.34E
Corralitos	90.69	0.15	0.05	0.50	0.00	17.75	11.75	27.89	1.14	15.55	11.85	0.72	3.63	0.00	0.00	0.00	90.69
Davenport	37.11	0.08	0.14	0.32	0.00	6.33	6.14	9.46	0.34	5.19	6.95	0.10	2.06	0.00	0.00	T	36.57
Los Gatos AGN	62.27	0.43	0.10	0.50	0.00	12.22	9.00	13.25	0.75	13.97	9.95	0.33	1.72	0.00	T	0.00	61.19
Santa Cruz	40.57	0.32	0.10	0.15	0.05	6.17	6.87	8.74	0.74	7.26	8.26	0.40	1.51	0.00	0.00	0.00	40.00
Sunset Beach St Park	28.27	0.55	0.00	0.14	0.00	4.52	4.42	5.44	0.35	5.51	5.76	0.40	1.13	0.00	0.00	0.00	27.53
Wilder Ranch	38.21	0.24	0.06	0.09	0.00	6.73	6.52	8.51	0.67	6.51	6.73	0.27	1.73	--	--	--	--
PAJARO-SAN BENITO RIVERS (DL)																	
Buena Vista	--	0.63	0.00	0.53	0.00	2.36	4.33	3.76	0.43	--	--	0.20	0.21	0.00	0.00	--	--
Buzzard Lagoon	55.33	0.00	0.00	0.23	0.00	9.24	3.26	14.35	0.77	11.00	8.94	0.91	1.73	0.00	T	0.00	55.10
Chittenden Pass	31.94	0.22	0.00	0.10	0.06	4.05	5.93	6.92	0.34	5.46	7.73	0.26	1.22	0.00	0.00	T	31.62
Chittenden	28.13	0.20	0.00	0.09	0.00	3.85	2.83	6.74	0.31	5.20	7.44	0.28	1.24	0.00	0.00	0.00	27.89
Cienega	26.05	0.51	0.00	0.42	0.00	3.06	5.37	5.39	0.36	4.57	6.20	0.14	0.03	0.00	0.00	0.36	25.43
Freedom 3NW	--	0.34E	0.00	0.00	0.00	7.36E	9.60	--	0.43	12.13	8.45	--	--	0.00	0.00	0.00	--
Gilroy	32.62	0.33	0.00	0.15	0.00	4.20	5.69	8.00	0.20	6.07	6.70	0.23	0.21	0.00	T	0.01	32.10
Gilroy 14 ENE	31.80	0.30	0.00	0.04	0.00	4.12	5.99	8.71	0.22	*	11.27	0.30	0.76	0.00	0.00	0.00	31.46
Hernandez 2 NW	23.03	0.65	0.00	0.74	0.00	2.72	4.37	4.49	0.52	4.23	4.43	0.28	0.05	0.00	0.00	0.65	22.29
Hernandez 7 SE	30.17	0.68	0.00	0.74	0.00	2.86	3.86	5.32	0.55	6.19	4.73	0.10	0.09	0.00	0.10	0.49	29.34
Hollister	13.90	0.43	T	0.17	0.00	1.75	3.94	4.08	0.38	3.13	4.36	0.19	0.42	0.00	T	0.01	13.31
Hollister 2	--	0.43	0.00	0.3	0.0	1.7	4.1	4.2	0.4	3.0	--	0.2	0.3	0.0	0.0	0.0	--
Hollister 10 ENE	0.53	0.53	0.00	0.18	0.00	3.60	6.37	--	--	4.30	9.57	0.52	0.57	0.00	0.00	0.00	--
Morgan Hill 2 E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.13	6.59	5.36	0.20	0.54	0.00	0.00	0.00	30.57
Morgan Hill SCS	34.4	0.3	0.0	0.1	0.0	5.2	5.2	10.5	0.2	7.3	5.0	0.1	0.5	0.0	0.0	0.0	34.0
Mount Madonna	50.24	0.31	0.00	0.26	0.00	7.48	8.43	13.97	0.63	8.77	7.47	0.75	2.27	0.00	0.00	0.00	49.77
Mount Madonna Co Pk	49.57	0.35	0.00	0.16	0.03	7.36	7.65	12.92	0.28	8.11	9.53	0.72	2.12	0.02	0.01	0.04	49.17
Pacifics Overwall Rd	22.55	0.36	T	0.32	0.00	2.12	5.44	4.75	0.39	3.63	5.24	0.12	0.10	0.00	0.00	0.15	22.02
Quien Sabe Hwy Comp	25.45	0.56	0.00	0.28	0.00	2.68	5.42	4.99	0.61	3.56	7.02	0.32	0.41	0.00	0.05	0.04	24.70
Rancho Quien Sabe	25.52	0.56	0.00	0.28	0.00	3.09	5.03	4.64	0.54	4.13	6.55	0.24	0.41	0.00	0.00	0.00	24.63
San Benito	17.40	0.42	0.00	0.26	0.00	2.10	3.62	3.71	0.46	3.12	3.45	0.18	0.08	0.00	0.00	0.25	16.97
San Felipe Highway Stn	--	--	0.00	--	--	--	--	5.69	--	--	5.14	0.11	0.66	0.00	0.00	0.00	--
San Juan Bautist 3 SSW	0.25	0.00	0.00	0.19	0.00	2.73	5.03	5.92	0.47	4.44	7.10	--	--	0.00	0.00	0.00	--
San Juan Bautista MI	27.57	0.83	0.03	0.25	0.00	3.02	5.78	5.90	0.31	6.30	7.03	0.27	0.43	0.00	0.00	0.05	27.11
Spreckels Hill Lag Se	27.63	0.32	0.00	0.22	0.00	4.02	3.72	8.01	0.25	6.30	4.59	0.06	0.14	0.00	0.00	T	27.09

*Amount included in following measurement. Time distribution unknown.

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																
	Total July 1 To June 30	1966						1967						Total Oct. 1 To Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
CENTRAL COASTAL AREA																	
PAJARO-SAN BENITO RIVERS (D1) (CONT.)																	
Upper Tres Pinos	--	0.40g	0.00	0.40	0.00	1.9g	3.74	4.66	0.31	3.39	3.43	0.22	--	0.00	0.00	0.20	--
Watsonville Waterska	32.77	0.32	T	0.03	0.04	4.77	5.17	7.34	0.36	6.42	6.67	0.31	1.29	0.00	0.00	0.00	32.37
LOWER SALINAS RIVER (D2)																	
Arroyo Seco	--	0.35	0.00	0.60g	0.00	4.34g	11.25	6.28	0.49	7.71	--	0.24	0.17	0.00	0.00	0.18	--
Del Monte	18.05	0.17	0.00	0.18	0.00	2.81	2.67	2.97	0.32	2.84	5.33	0.15	0.61	0.00	0.00	0.14	17.94
Fremont Peak	35.77	0.18	0.00	0.28	0.07	3.77	7.77	7.24	0.67	5.43	0.12	0.75	0.60	0.00	0.00	0.12	35.43
Gonzales 9 ENE	--	0.00	0.00	0.22	0.00	1.67	3.13	3.67	0.25	2.60	5.03	0.21	--	0.00	0.00	0.06	--
Greenfield Baker	13.31	0.18	0.00	0.11	0.00	1.14	2.68	2.65	0.25	1.78	4.18	0.19	0.16	0.00	0.00	0.62	13.64
Ramee Valley	20.92	0.26	0.00	1.00	0.00	2.51	4.17	3.17	0.34	4.16	4.97	0.25	0.09	0.00	0.00	0.54	20.20
King City	15.12E	0.00	0.00	0.21	0.00	1.75	3.20	3.30	0.40E	2.80	3.26	0.15	0.05	0.00	0.00	0.49	15.40E
Monterey	29.99	0.28	0.09	0.32	0.09	4.74	4.18	5.29	0.45	5.48	7.11	0.40	1.56	0.02	0.06	0.17	29.55
Paloma	30.70	0.46	0.09	0.20	0.01	3.54	5.79	5.64	0.32	6.21	7.45	0.53	0.46	T	0.00	0.69	30.64
Pinnacles Nat Mon	23.03	0.47	0.00	0.23	0.00	2.53	3.25	5.29	0.39	3.30	7.22	0.20	0.15	0.00	0.00	0.14	22.47
Priest Valley	32.97	1.00	0.00	0.48	0.00	3.31	8.27	5.52	0.75	7.09	5.94	0.51	0.10	0.00	0.04	0.11	31.64
Salinas 2 E	20.39	0.23	0.00	0.18	0.00	2.23	3.73	4.96	0.33	2.43	5.60	0.09	0.58	0.00	0.00	0.16	20.14
Salinas FAA Ap	19.08	0.23	0.03	0.23	T	2.83	3.73	4.96	0.33	2.43	5.60	0.09	0.58	0.00	T	0.15	19.74
Salinas de Duemierre	22.17	0.23	0.03	0.35	0.00	2.22	4.31	4.09	1.08	3.06	6.05	0.60	0.27	T	0.00	0.15	21.73
San Ardo	16.92	0.17	0.00	0.44	0.00	2.20	3.84	2.98	0.22	3.08	2.97	0.33	0.69	0.00	0.00	0.34	16.65
Slack Canyon	22.57	0.00	0.00	0.25	0.00	2.82	5.76	3.83	0.48	4.56	4.52	0.20	0.15	0.00	0.00	0.18	22.50
Solidad	14.52	0.25	0.00	0.06	T	1.28	2.88	2.93	0.35	2.45	4.03	0.15	0.14	0.02	0.00	0.05	14.28
Boisard Crp	14.83	0.19	0.00	0.30	0.00	1.17	3.18	2.93	0.26	1.91	4.45	0.05	0.26	0.00	0.00	0.03	14.14
Spreckels Hwy Bridge	18.88	0.70	0.00	0.30	0.00	2.15	3.04	3.55	0.51	2.61	5.34	0.10	0.58	0.00	0.00	0.21	17.09
Spreckels	18.53	0.54	0.00	0.28	0.00	1.80	3.29	3.78	0.59	2.76	4.97	0.03	0.53	0.00	0.00	0.27	18.04
UPPER SALINAS RIVER (D3)																	
Atascadero Maint Stn	28.87	0.04	0.00	0.29	0.00	0.00	9.53	5.18	0.70	6.74	5.99	0.09	0.00	0.00	0.00	0.70	28.28
Bradley	15.55	0.15	0.00	0.06	0.00	1.40	3.58	2.75	0.30	2.68	4.13	0.10	0.00	T	0.00	0.35	15.49
Bryson	40.46	0.22	0.00	0.20	0.00	4.11	13.24	7.49	0.90	7.56	6.13	0.41	0.00	0.00	0.00	0.39	40.43
Cholame-Alley Ranch	--	0.09	0.00	0.13	0.00	1.26	4.67	1.13	0.33	--	3.29	0.00	0.00	0.00	0.00	--	--
La Panza Ranch	--	0.09	0.00	0.71	0.00	1.40	4.98	2.61	0.26	--	--	--	0.00	0.00	0.00	0.50	--
Llan Ranch	24.69	0.10	0.00	0.08	0.00	2.70	7.64	4.15	0.31	5.57	4.14	0.00	T	0.02	0.00	0.68	25.21
Lockwood ZN	20.31	0.22	0.00	0.90	0.00	2.61	4.55	3.58	0.40	3.53	4.44	0.08	0.00	0.00	0.00	0.28	19.47
Packfield Dam	25.56	0.30	0.00	0.27	0.00	2.76	7.90	4.22	0.45	4.64	4.04	0.08	0.02	0.07	0.00	0.48	25.54
Wickfield	22.40	0.24	0.00	0.15	0.00	1.85	6.31	3.66	0.82	3.76	5.41	0.20	0.00	0.00	0.00	1.75	23.76
Packfield 7 NPH	--	0.53	0.00	0.14g	0.00	1.90	4.46	--	0.27	2.68	3.37	0.26	0.02	0.00	0.00	1.05	--

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches												Total Oct. 1 To Sept. 30			
		1966					1967										
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
CENTRAL COASTAL AREA																	
UPPER SALINAS RIVER (D3) (CONT.)																	
Paseo Robles	23.95	0.08	0.00	0.11	0.00	2.43	8.60	3.93	0.35	3.99	4.41	0.03	0.02	T	0.00	0.79	24.55
Paseo Robles 5 NW	25.46	0.10	0.00	0.07	0.00	3.09	8.12	4.45	0.33	4.94	4.73	0.00	0.03	0.00	0.00	1.06	26.35
Paseo Robles FAA Ap	21.13	0.17	T	0.16	0.00	2.77	6.79	3.12	0.33	3.32	4.51	0.01	T	0.02	0.00	0.28	21.15
Salinas Dam	35.89	0.05	0.00	1.13	0.00	3.23	10.61	6.32	0.94	6.38	6.63	0.15	0.40	0.00	0.00	1.11	35.82
San Antonio Mission	29.83	0.23	0.00	0.13	0.00	3.55	10.63	5.21	0.51	5.17	4.12	0.16	0.12	0.00	0.00	0.30	30.27
Santa Margarita 2 SW	50.45	0.13	0.00	0.67	0.03	5.75	14.93	8.87	0.97	8.89	9.73	0.33	0.45	0.00	0.00	1.21	50.86
Santa Margarita Bdr	51.60	0.14	0.00	0.61	0.01	5.46	15.94	8.92	0.93	8.79	9.93	0.29	0.43	T	0.00	1.32	52.17
Templeton	28.83	0.04	0.00	0.10	T	3.32	9.86	5.20	0.56	4.63	4.97	0.06	0.04	0.00	0.00	0.62	29.31
Valleton	--	0.22	0.00	0.19	0.00	1.96	3.66	2.37	0.31	3.20	--	0.25	0.00	0.00	0.00	0.22	--
MONTEREY COAST (D4)																	
Big Sur State Park	60.44	0.12	T	0.23	0.00	9.60	11.89	13.94	1.09	9.34	12.41	0.63	1.14	0.00	0.00	0.18	60.27
Carmel Valley	25.17	0.31	0.00	0.23	0.00	3.13	4.89	4.89	0.51	4.55	5.70	0.24	0.72	0.00	0.00	0.10	24.73
Lucia Willow Springs	36.23	0.20	0.00	0.09	0.00	6.55	7.37	8.08	0.83	6.47	5.87	0.20	0.52	0.00	0.00	0.25	36.19
Roosevelt Ranch	46.28	0.25	T	0.23	0.00	7.35	9.38	9.42	1.16	6.87	10.10	0.63	0.86	0.00	T	--	--
San Clemente Dam	30.47	0.27	0.00	0.18	0.00	3.74	6.41	5.99	0.53	5.82	6.75	0.19	0.59	0.00	0.00	0.13	30.15

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																	
SAN FRANCISCO BAY (EO)																	
S. E. Farallon	22.43	0.00	0.15	0.46	0.00	4.37	3.77	6.39	0.09	2.71	2.43	0.11	1.90	0.00	0.00	0.04	21.86
COAST - MARTIN (EI)																	
Muir Woods	51.80	0.00	0.32	0.04	0.03	8.44	6.36	13.56	0.38	7.67	6.57	0.20	3.23	0.00	0.00	0.12	51.56
MARTIN-SIXMORA (EZ)																	
Kentfield	74.13	0.00	0.19	0.11	0.00	14.43	10.12	26.32	0.71	10.53	7.93	0.27	3.42	0.00	0.00	T	73.83
Mill Valley	59.19	0.00	0.09	0.08	0.00	13.88	6.03	16.38	0.98	6.59	6.45	0.12	2.59	0.00	0.00	0.00	59.02
Novato Fire House	38.28	0.00	0.10	0.13	0.00	6.85	5.55	13.08	0.49	5.21	5.12	0.05	1.70	0.00	0.00	0.00	38.05
Oakville & SW No 2	--	0.00	0.29	0.00	0.00	10.85	9.24	--	0.50	8.73	--	0.40	3.20	0.00	0.00	0.00	--
Petaluma FS No 2	36.94	0.00	0.11	0.05	0.00	6.42	5.47	12.78	0.49	4.47	4.96	0.07	2.02	0.00	0.00	0.13	36.71
Petaluma Burns	42.66	0.00	0.28	0.05	0.00	7.60	6.80	15.16	0.45	5.67	4.54	0.14	1.97	0.00	0.00	0.03	42.36
Phoenix Lake Dam	78.00	0.00	0.22	0.08	0.00	16.11	11.44	23.09	0.88	11.37	9.73	0.30	4.48	0.00	0.00	0.00	77.77
San Anselmo	62.45	0.00	0.00	0.01	0.00	13.33	10.44	19.60	0.50	8.86	6.79	0.00	2.92	0.00	0.00	0.00	62.44
San Anselmo	59.04	0.00	0.11	0.06	0.00	11.07	9.35	20.28	0.84	8.43	6.46	0.09	2.33	0.00	0.00	0.02	58.99
San Rafael No 1	59.27	0.00	0.09	0.03	0.00	11.73	8.97	21.03	0.76	8.09	6.02	0.10	2.40	0.00	0.00	0.03	59.13
Sonoma	38.64	0.05	0.07	0.10	0.00	7.50	5.54	12.64	0.34	4.23	5.69	0.20	2.28	0.00	0.00	0.02	38.44
Tamalpais Valley	43.63	0.00	0.22	0.20	0.00	8.67	6.12	17.71	0.74	6.64	7.11	0.26	1.01	0.00	0.00	0.09	43.35
Tiburon Topham	38.20	0.00	0.15	0.10	0.00	5.30	5.03	14.93	0.30	4.91	5.73	0.13	1.47	0.00	T	0.00	37.05
NAPA-ISLAND (EZ)																	
Angwin FWC	57.17	0.05	0.37	0.03	0.00	11.92	8.72	17.40	0.42	8.03	6.93	0.34	3.06	0.00	0.00	0.13	56.95
Atlas Road	56.96	0.1	0.1	0.0	0.1	11.08	7.68	16.7	0.6	9.5	7.7	0.3	3.2	0.0	0.0	--	--
Calistoga	49.83	0.05	0.27	0.09	0.00	9.53	7.97	14.32	0.35	7.68	6.45	0.50	2.22	0.00	T	0.13	49.65
Carmichael Valley	46.63	0.05	0.13	0.12	0.00	7.78	5.69	15.51	0.37	7.17	6.46	0.13	3.22	0.00	0.00	0.08	46.41
Collinsville	21.46	0.13	0.09	0.13	0.00	3.13	2.95	6.13	0.52	3.55	3.70	0.10	1.08	0.00	0.00	0.03	21.14
Denverton LS	23.89	0.12	0.10	0.13	0.00	3.99	3.83	6.94	0.44	3.36	3.86	0.44	0.93	T	0.00	0.04	23.53
Dutton Landing	33.08	0.06	0.23	0.20	0.00	5.99	4.08	10.23	0.31	4.57	4.95	0.12	1.63	0.00	0.00	0.05	32.64
Fairfield	32.23	0.10	0.20	0.17	0.00	5.58	4.63	10.33	0.30	4.44	4.84	0.12	1.32	0.00	0.00	0.07	31.83
Fairfield Police Sta	31.43	0.08	0.18	0.37	0.00	5.63	4.30	9.90	0.31	4.17	4.73	0.12	1.45	0.00	T	0.05	30.95
Green Valley	45.76	0.09	0.03	0.13	0.00	8.59	5.99	13.17	0.36	8.24	6.03	0.31	2.77	0.00	0.00	0.05	45.51
Lake Curry	41.53	T	0.13	0.04	0.00	3.46	6.02	12.25	0.47	7.03	4.71	0.16	2.29	0.00	0.00	0.03	41.42
Mare Island Navy	29.32	0.05	0.10	0.19	0.00	5.36	3.72	9.66	0.33	4.62	4.81	0.10	1.08	0.00	0.00	0.14	29.02
Napa 5 NW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Napa State Hospital	37.12	0.04	0.13	0.06	0.00	6.61	4.55	11.65	0.46	6.08	5.42	0.12	1.95	0.00	0.00	0.09	36.93
Oakville 1 NW	--	--	0.26	0.27	0.00	9.29	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total To June 30	Precipitation In Inches														Total Oct. 1 To Sept. 30	
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.		Sept.
SAN FRANCISCO BAY AREA																	
NAPA - SOLANO (E3) (CONT.)																	
Saint Helena	49.12	0.05	0.32	0.23	0.00	9.83	7.13	16.91	0.38	7.13	5.01	0.24	1.89	0.00	0.00	0.10	48.62
St. Helena & NW	--	0.0	0.2	0.1	0.0	11.9	8.2	17.5	0.6	9.9	7.9	--	3.5	0.0	0.0	0.1	--
Veterans Home	53.30	0.20	0.28	0.07	0.00	10.77	8.15	16.32	0.48	7.69	7.47	0.09	1.78	0.00	0.00	0.07	52.32
Wild Horse Valley	43.93	0.07	0.20	0.10	0.00	8.44	6.24	14.84	0.76	8.14	6.63	0.34	3.12	0.00	0.00	0.08	43.64
Yountville Gamble	47.82	0.00	0.28	0.06	0.01	11.02	6.77	12.08	1.72	7.14	6.13	1.30	1.31	0.00	0.42	0.31	45.21
EAST BAY (E4)																	
Alamo 1 N	35.18	0.17	0.20	0.16	T	5.04	3.93	11.53	0.32	6.85	5.75	0.38	0.85	T	T	0.03	34.68
Berkeley	33.09	0.09	0.17	0.13	0.00	4.92	4.48	10.34	0.35	5.60	5.73	0.07	1.21	0.00	0.00	0.02	32.72
Burton Ranch	34.66	0.16	0.17	0.16	T	5.61	4.03	10.44	0.94	6.32	6.09	0.25	0.89	0.00	T	0.03	34.20
Concord 3 E	24.73	0.18	0.15	0.18	0.00	3.20	2.64	7.77	0.22	4.39	5.25	0.05	0.70	0.00	0.00	0.06	24.28
Crockett	30.11	0.07	0.12	0.36	0.00	4.88	3.53	9.94	0.37	5.05	4.88	0.15	0.76	0.00	0.00	0.04	29.60
Hayward 6 ESE	36.46	0.16	0.08	0.14	0.00	5.24	3.67	11.85	0.50	6.68	6.86	0.33	0.95	0.00	0.00	0.00	36.08
Lafayette 2 NNE	35.58	0.12	0.13	0.12	0.00	5.51	4.16	11.96	0.22	7.02	5.60	0.15	0.99	0.01	T	0.06	31.25
Martinez 3S	31.65E	0.14	0.18	0.14	0.00	4.47E	4.98E	10.13	0.40	5.95	5.14	0.12	0.49	0.00	0.00	0.06	31.22
Martinez 3 SSE	32.43	0.58	0.20	0.13	T	4.62	4.34	10.23	0.33	6.29	5.06	0.09	0.56	0.00	T	0.04	31.56
Martinez Fire Stn	27.05	0.07	0.18	0.02	0.00	2.92	3.67	9.66	0.45	4.87	4.50	0.19	0.52	0.00	0.00	0.14	26.92
Mount Diablo N. Gate	33.95	0.20	0.05	0.17	0.00	5.30	4.01	12.00	0.35	5.15	5.43	0.30	0.99	0.00	0.00	0.05	33.58
Oakland 39th Ave	35.78	0.19	0.13	0.14	T	5.52	4.46	11.21	0.60	6.58	5.50	0.12	1.33	0.00	T	0.03	35.35
Oakland City Hall	--	0.01	0.08	0.13	T	4.67	3.36	--	T	4.33	5.96	0.00	--	0.00	0.00	T	--
Oakland WB AP	27.08	0.14	0.06	0.09	T	3.86	3.51	8.90	0.27	4.62	4.46	0.12	1.05	0.00	T	0.01	26.80
Port Chicago NAD	22.90	0.18	0.17	0.18	0.00	2.96	2.70	6.65	0.29	4.61	4.17	0.06	0.93	0.00	0.00	0.06	22.43
Richmond	31.11	0.05	0.08	0.14	0.00	5.93	4.64	8.21	0.38	5.32	5.14	0.07	1.15	0.00	0.00	0.02	30.86
Saint Marys College	38.59	0.15	0.17	0.16	0.00	6.47	4.29	12.84	0.37	7.31	5.83	0.07	1.00	0.00	0.00	0.04	38.15
Upper San Leandro F11	32.49	0.15	0.14	0.15	0.00	5.03	4.18	10.20	0.37	5.93	5.80	0.09	1.15	0.00	0.00	0.02	32.07
Walmar School	33.75	0.14	0.14	0.19	0.00	4.90	2.77	12.15	0.39	6.69	5.75	0.00	0.63	0.00	0.00	0.00	33.28
Walnut Creek 2 ENE	30.45	0.16	0.17	0.17	0.00	4.91	3.54	9.39	0.39	5.59	5.43	0.20	0.68	0.00	0.00	0.04	30.02
Walnut Creek 2 ENE	27.93	0.20	0.21	0.18	0.00	4.04	3.15	9.20	0.20	4.90	4.96	0.22	0.67	0.00	0.00	0.03	27.37
Walnut Creek 4 E	27.04	0.17	0.16	0.18	0.00	4.11	2.95	8.45	0.22	4.85	5.04	0.27	0.64	T	T	0.04	26.57

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total To June 30	Precipitation In Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																	
ALAMEDA CREEK (E5)																	
Calaveras Reservoir	30.42	0.27	0.00	0.21	0.00	5.33	2.51	9.39	0.66	5.88	6.62	0.33	0.22	0.00	0.00	0.00	29.94
Gerber Ranch	26.72	0.26	0.00	0.02	0.00	4.56	3.69	7.05	0.20	6.21	3.97	0.23	0.53	0.00	T	T	26.44
Livermore County FD	22.82	0.18	0.00	0.11	0.00	3.58	2.94	6.88	0.20	4.45	4.45	0.13	0.52	0.00	0.00	0.02	22.55
Livermore Sewage PH	24.42	0.18	0.00	0.11	0.00	3.75	2.78	7.44	0.28	5.12	4.31	0.08	0.37	0.00	0.00	0.03	24.16
Livermore 2 SSW	21.96	0.17	0.00	0.11	0.00	3.43	2.35	6.14	0.29	4.15	4.65	0.19	0.49	0.00	T	0.02	21.70
Mount Hamilton	22.35	0.23	0.00	0.20	0.00	3.95	2.86	5.31	0.11	2.75	6.24	0.30	0.40	0.00	0.00	0.00	21.92
Newark	18.27	0.28	0.00	0.13	0.00	2.71	2.28	5.63	0.25	2.84	3.57	0.11	0.51	0.00	0.00	T	17.00
Niles Plains	28.53	0.28	0.15	0.00	0.00	4.37	3.00	8.31	0.39	4.89	6.40	0.05	0.69	0.00	0.00	T	28.10
Pleasanton Nursery	32.16	0.15	T	0.09	0.00	4.75	3.33	10.57	0.43	5.72	6.62	0.12	0.38	0.00	0.00	0.02	31.94
SANTA CLARA VALLEY (B6)																	
Alamitos Perc Pond	25.91	0.24	0.00	0.11	0.00	4.86	2.92	7.71	0.24	5.97	3.83	0.01	0.02	0.00	0.00	T	25.56
Alamitos Reservoir	50.26	0.28	0.02	0.18	0.00	8.09	5.52	15.19	0.79	11.37	9.05	0.35	0.42	0.00	0.00	T	49.78
Black Mtn 2 SW	46.07	0.18	0.11	T	0.00	7.55	5.96	12.80	0.58	9.52	7.78	0.59	1.00	0.00	0.00	T	45.13
Calero Reservoir	31.82	0.26	0.00	0.23	0.00	4.93	4.32	8.72	0.30	7.73	5.17	0.06	0.10	0.00	0.00	0.01	31.34
Cambrian Park	26.79	0.25	0.00	0.13	0.00	5.16	3.08	6.52	0.38	6.97	4.22	0.02	0.06	0.00	0.00	T	26.41
Campbell Water Co	25.06	0.23	0.00	0.12	0.00	4.54	3.19	7.24	0.32	5.40	3.96	0.02	0.04	0.00	T	T	24.71
Coyote Reservoir	33.83	0.42	0.00	0.27	0.00	4.75	4.77	9.54	0.22	5.62	7.39	0.22	1.12	0.00	0.00	0.00	33.14
Gilroy Reservoir	39.99	0.38	0.00	0.12	0.00	3.99	5.19	7.24	0.29	5.30	7.27	0.21	1.00	0.00	0.00	0.00	30.49
Guadalupe Reservoir	45.52	0.15	0.10	0.18	0.00	8.13	4.78	12.78	0.77	10.75	7.29	0.04	0.35	0.00	0.00	0.01	44.90
Leroy Anderson Dam	31.50	0.32	0.00	0.15	0.00	5.35	3.87	8.88	0.17	6.85	5.07	0.26	0.58	0.00	0.00	0.01	31.01
Lexington Reservoir	55.09	0.41	0.02	0.20	0.00	9.61	6.75	13.97	0.77	12.67	9.25	0.16	1.23	0.00	0.00	0.02	54.44
Los Gatos	35.88	0.31	0.01	0.14	0.00	7.00	4.06	9.27	0.48	9.06	5.31	0.07	0.17	0.00	0.00	0.00	35.42
Los Gatos Wright	30.22	0.30	T	0.14	0.00	5.29	3.45	7.77	0.53	7.80	4.79	0.03	0.12	0.00	0.00	T	29.73
Morgan Hill 2E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.13	6.59	5.36	0.20	0.54	0.00	0.00	0.01	30.57
Morgan Hill 6 NW	--	0.32E	0.00	0.09E	0.00	6.66	6.04	--	0.27	9.15	5.33	0.09	--	0.00	0.00	0.00	--
Palo Alto City Hall	21.56	0.33	0.03	0.10	0.00	2.93	2.23	7.41	0.13	3.57	4.59	0.14	0.19	0.00	T	0.02	21.12
Pentecost Rain Gage	27.40	0.13	0.04	0.10	0.00	4.26	2.25	6.93	0.40	6.62	5.91	0.19	0.57	0.00	0.00	0.00	27.11
Redwood City	29.90	0.30	0.04	0.10	T	4.04	3.56	10.90	0.17	5.44	4.68	0.15	0.52	0.00	0.00	0.05	29.42
San Jose	20.00	0.21	T	0.19	0.00	3.05	2.17	4.87	0.14	5.14	3.89	0.03	0.13	0.00	0.00	0.02	19.62
San Jose Decid FPS	20.63	0.21	0.00	0.13	0.00	3.28	2.72	5.67	0.24	4.13	3.80	0.02	0.13	0.00	0.00	0.01	20.33
Santa Clara Univ	20.79	0.21	0.00	0.17	0.00	3.32	2.77	5.69	0.17	4.56	3.70	0.03	0.17	0.00	0.00	0.00	20.41
Saratoga Clerk	31.26	0.34	0.00	0.11	0.00	5.14	3.81	9.34	0.49	4.57	4.83	0.02	0.06	0.00	0.00	0.00	30.81
Saratoga Dep Maint	66.23	1.00	0.00	0.31	0.00	11.45	10.25	17.45	0.60	13.55	9.87	0.50	1.25	0.00	0.00	0.00	64.92
Saratoga Kritege	33.13	0.36	0.01	0.11	0.00	5.08	4.17	9.96	0.49	7.52	4.95	0.02	0.06	0.00	0.00	T	32.65
Searsville Lake	42.71	0.24	0.12	0.03	0.00	5.34	4.93	14.56	0.48	8.91	6.81	0.38	0.96	0.00	0.00	0.00	42.27

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																	
SANTA CLARA VALLEY (E6) (CONT.)																	
Stevens Creek Res	46.32	0.50	0.12	0.22	0.00	8.20	5.91	12.07	0.53	10.09	7.73	0.13	0.32	0.00	0.00	T	45.43
Vasona Reservoir	34.85	0.31	0.01	0.20	0.00	6.58	3.92	9.13	0.42	3.63	5.43	0.07	0.15	0.00	0.00	0.11	34.44
Wrighte	72.46	0.46	0.00	0.39	0.00	12.69	9.82	19.14	0.65	17.08	9.93	0.35	1.95	0.00	0.00	T	71.61
BAYSIDE SAN MATEO (E7)																	
Burlingame	33.39	0.00	0.09	0.10	0.00	5.12	4.08	11.70	0.12	5.24	5.56	0.20	1.18	0.00	0.00	0.02	33.22
San Francisco WB AP	30.94	0.03	0.09	0.08	T	4.79	3.96	10.43	0.09	5.04	5.31	0.26	0.86	T	T	0.01	30.75
San Francisco FOB	20.41	0.02	0.10	0.10	0.01	4.80	3.87	9.49	0.22	4.35	4.90	0.09	1.42	0.00	T	0.04	20.12
San Mateo	25.69	0.80	0.06	0.00	0.00	3.03	2.70	8.78	0.08	4.79	4.48	0.22	0.75	0.00	0.00	T	24.83
COAST SAN MATEO (E8)																	
Half Moon Bay	35.43	0.12	0.27	0.25	T	5.18	3.62	10.44	0.25	6.18	7.43	0.25	1.44	0.00	0.00	T	34.79
La Honda	41.30E	0.12	0.10	0.12	0.00	6.43	5.15	12.22E	0.22	8.54	6.56	0.70	1.14	0.00	0.00	0.17	41.13E
Portola State Park	61.90	T	0.25	0.27	0.00	10.12	7.86	18.41	0.94	12.26	9.62	0.69	1.48	0.00	T	T	61.38
San Francisco Sunset	31.15	0.02	0.31	0.10	T	4.82	3.74	10.17	0.45	4.26	5.24	0.15	1.89	0.00	0.00	0.05	30.77
San Gregorio 2 SE	39.96	0.11	0.22	0.17	0.06	5.90	4.45	12.83	0.44	7.43	6.23	0.52	1.55	0.00	0.08	0.08	39.62

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in inches												Total Oct.1 To Sept.30		
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.
NORTH COASTAL AREA																
MENDOZINO COAST (FS)																
Boonville EMS	46.51	0.00	0.20	0.15	0.00	11.96	7.34	11.05	0.60	8.07	5.39	0.36	1.59	0.00	T	0.02
Boonville Farrer	63.60	T	0.30	0.23	0.00	15.31	8.99	15.31	0.93	11.60	8.74	0.61	1.58	0.00	T	--
Port Bragg 11W	--	0.00	0.23	0.11	0.00	11.83	12.71E	9.38	--	13.12	7.90	--	--	0.00	0.00	0.45
Port Bragg	46.63	0.03	0.22	0.44	0.12	9.92	7.22	9.28	1.03	9.33	7.99	1.12	0.33	0.06	0.02	0.00
Port Bragg Aviation	43.30	0.03	0.16	0.42	T	9.35	6.23	9.12	0.97	0.30	6.72	0.72	0.28	0.00	0.00	T
Port Ross	39.70	T	0.26	0.21	T	8.03	6.16	10.73	0.99	6.09	4.28	0.28	2.67	T	0.00	0.07
Maravito 1 NW	41.31	0.00	0.10	0.45	0.00	7.09	5.99	10.86	0.83	8.91	6.14	0.69	0.75	0.00	0.10	0.00
Philo 2 NW	45.26	0.00	0.00	0.25	0.00	9.72	7.19	11.42	0.71	9.49	5.15	0.51	1.12	0.00	0.00	0.00
Philo 4 NW	49.65	0.00	0.27	0.24	0.00	10.60	7.50	11.00	0.80	10.02	6.69	0.71	1.12	0.00	0.00	0.23
Point Arena	44.60	0.06	0.29	0.19	0.00	10.51	6.38	9.52	0.93	8.79	6.05	0.49	1.39	T	0.05	0.19
Shaggs Spr Lao Lomas	74.43	0.00	1.38	0.20	0.00	16.78	10.97	22.96	0.65	10.63	8.04	0.44	2.38	0.00	0.00	0.10
Yorkville	--	0.0E	0.1E	0.1E	0.0E	16.3E	10.4E	--	--	--	6.6	0.4	--	0.0	0.0	0.0
RUSSIAN RIVER (FS)																
Alpine Dam	66.64	0.00	0.27	0.07	0.00	11.77	7.95	23.11	0.44	9.71	7.64	0.53	5.15	0.00	0.00	0.00
Blakes Landing	40.06	0.00	0.20	0.15	0.00	7.69	6.05	12.95	0.65	5.38	4.63	0.25	2.11	0.00	0.00	0.00
Bon Tempe Dam	59.88	0.00	0.14	0.07	0.00	11.73	18.15	17.88	0.55	8.53	7.64	0.37	4.22	0.00	0.00	0.00
Cazadero	59.15	0.00	0.21	0.13	0.00	22.78	14.12	23.78	0.65	15.19	9.33	0.31	3.65	0.00	0.00	0.02
Cloverdale 3 SSE	59.91	0.00	0.09	0.12	0.00	12.72	11.07	15.86	0.65	10.79	6.2	0.25	2.12	0.00	0.01	0.04
Coyote Dam	38.88	0.00	0.46	0.13	0.04	8.33	6.32	10.22	0.62	6.47	4.69	0.12	1.48	0.00	0.03	0.03
Geyersville Hooking	42.67	0.00	T	0.00	1.62	10.76	3.17	11.99	1.35	8.21	5.91	0.06	0.00	0.00	0.00	0.15E
Oraton	52.72	0.00	0.24	0.30	0.00	9.58	9.18	17.99	0.53	7.01	5.74	0.11	2.13	0.00	0.00	0.05
Oraton 1 W	53.80	0.00	0.24	0.29	T	10.86	9.69	18.16	0.55	7.77	6.23	0.08	2.28	0.00	0.00	0.01
Guernseyville	59.28	0.00	0.12	0.17	0.00	11.44	9.90	19.25	0.37	8.63	7.19	0.14	2.02	0.00	0.00	0.00
Headsburg	57.75	T	0.11	0.11	T	13.20	10.12	16.37	0.41	8.60	6.49	0.17	2.17	0.00	0.00	0.02
Headsburg No 2	54.21	0.00	0.20	0.13	0.00	12.53	9.48	14.04	0.53	8.35	6.68	0.16	2.11	0.00	0.00	0.04
Hopland Largo Sta	--	0.00	0.05	0.25	0.00	9.28	--	9.87	0.33	7.53	6.80	0.10	1.32	0.00	0.04	0.02
Inverness Mery	53.80	T	0.40	0.40	0.00	12.00	9.70	17.60	0.59	10.72	8.05	0.25	3.45	0.00	0.00	0.00
Kellogg	66.95	0.00	0.34	0.77	T	14.50	9.58	19.52	0.55	10.72	7.06	0.39	3.12	0.00	T	0.22
Kent Lake	85.18	0.00	0.27	0.42	0.01	19.16	12.22	26.38	0.60	11.01	9.26	0.36	5.49	0.00	0.00	0.05
Knights Valley	56.88E	0.00E	0.39E	0.17	0.00	10.78	9.21	16.77	0.49	9.90	6.20	0.47	2.58	0.00	0.00	0.12
Lagunitas Lake	78.53	0.00	0.21	0.67	0.00	20.50	10.94	17.99	0.60	11.40	10.75	0.37	5.06	0.00	0.00	0.00
Mt Tualumpia 2 SW	53.0E	0.00	0.13E	0.08E	0.00E	9.79E	7.16	20.06	0.27	7.81	6.43	0.22	3.90	0.00	0.00	0.00
Nicasio	58.03	0.00	0.00	0.18	0.00	12.50	10.56	17.89	0.91	7.21	5.99	0.43	2.36	0.00	0.00	0.01

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches														Total Oct. 1 To Sept. 30
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	
NORTH COASTAL AREA																
RUSSIAN RIVER (FS) (CONT.)																
Navato 8 WNW	36.75	0.00	0.28	0.21	0.00	6.11	4.79	13.46	0.19	4.82	4.77	0.24	1.88	0.00	0.00	0.00
Occidental	70.02	0.00	0.32	0.27	0.00	16.14	10.41	21.03	0.70	9.91	7.35	0.31	3.58	0.00	0.00	0.12
Potter Valley 3 SE	36.34	0.00	0.46	0.25	0.04	7.72	5.16	10.73	0.45	8.38	5.12	0.16	0.87	0.00	0.00	0.13
Potter Valley FH	53.38	0.00	0.45	0.06	0.04	12.61	7.82	15.09	0.29	9.36	5.25	0.98	1.03	0.00	0.00	0.00
Redwood Valley	--	0.00	0.37	0.07	0.00	7.99	5.82	11.07	0.34	--	4.13	0.12	--	0.00	0.03	0.00
Santa Rosa Sewage Pit	40.42	0.00	0.13	0.27	0.00	7.76	6.92	11.08	0.50	5.40	5.96	0.11	2.29	0.00	0.00	0.06
Santa Rosa	42.33	0.00	0.12	0.35	0.01	7.61	6.55	12.42	0.58	5.86	6.72	0.17	1.94	0.00	0.00	0.07
Sebastopol 4 SSE	40.6	0.0	0.2	0.1	0.0	6.7	5.7	13.7	0.5	5.8	5.5	0.1	2.3	0.0	0.0	0.0
The Geysers	--	0.00	0.00	0.15	0.00	17.89	13.43E	--	0.45	14.92	7.52	0.47	3.08	0.00	0.03	0.05
Ukiah	43.16	0.00	0.34	0.11	0.00	9.90	6.61	11.76	0.59	7.46	4.79	0.23	1.37	0.00	0.03	0.01
Ukiah 4 WSW	54.99	T	0.41	0.21	0.01	12.69	8.81	15.04	0.85	9.26	5.85	0.66	1.20	T	0.03	0.06
Yemato	--	0.00	0.26	0.15	0.00	17.46	13.45	21.80	0.41	12.60	--	0.28	3.02	0.0	0.0	0.0
Woodacre	62.84	0.01	0.21	0.33	0.00	11.93	9.61	20.34	0.49	9.03	7.93	0.24	2.72	0.00	T	0.06

Temperature Data

The definition of terms and the abbreviations used in connection with temperature data are as follows:

- Maximum - The highest temperature of record for the month.
- Minimum - The lowest temperature of record for the month.
- Avg Max - The arithmetic average of daily maximum temperatures for the month.
- Avg Min - The arithmetic average of daily minimum temperatures for the month.
- Average - The arithmetic average of the daily maximum and minimum temperatures for the month.
- RE - Record ends.
- RB - Record begins.
- - No record or record incomplete.

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT															
	1966						1967									
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug	Sept.	
CENTRAL COASTAL AREA																
	SANTA CRUZ (DO)															
	BEN LOMOND NO 2															
	Maximum	97	98	96	96	94	73	76	82	75	64	97	95	94		
	Minimum	42	42	38	27	27	24	22	26	29	31	31	43	--		
Avg Max	83.8	85.8	84.9	84.3	84.3	61.8	62.9	69.6	64.3	55.9	73.3	71.9	--			
Avg Min	46.4	43.1	44.1	38.9	41.9	34.1	34.1	34.0	38.1	37.7	43.5	40.4	--			
Average	65.1	67.0	64.5		53.1	49.5	48.5	51.8	51.2	46.8	58.4	60.4	--			
BEN LOMOND NO 3	Maximum															
	Minimum															
	Avg Max															
	Avg Min															
	Average															
DAVENPORT	Maximum	80	73	87	81	83	67	66	60	57	74	62	75			
	Minimum	45	46	46	45	43	37	40	38	39	42	47	47			
	Avg Max	62.0	63.0	61.2	66.6	63.1	53.9	58.5	55.9	54.0	59.7	57.6	62.8			
	Avg Min	49.7	50.1	52.2	49.8	56.4	45.0	45.9	44.3	43.2	47.2	49.1	50.0			
	Average	55.8	56.6	59.7	58.2	49.6	52.0	52.2	50.1	48.6	53.4	53.4	56.4			
SANTA CRUZ	Maximum	90	86	97	93	85	70	74	72	65	93	73	88			
	Minimum	44	42	41	37	33	27	31	30	33	35	41	44			
	Avg Max	76.0	74.4	73.6	77.4	75.1	60.9	61.2	62.2	63.6	73.4	67.0	76.1			
	Avg Min	48.5	50.4	49.3	46.6	45.0	39.9	39.7	41.6	40.2	46.5	49.9	51.1			
	Average	62.3	62.4	64.0	62.0	55.1	50.4	50.5	51.8	49.4	60.0	58.5	62.9			
PAJARO-SAN BENITO RIVERS (DL)	Maximum															
	Minimum															
	Avg Max															
	Avg Min															
	Average															
GILROY	Maximum	97	102	98	94	91	66	69	74	66	97	95	103			
	Minimum	47	47	43	36	31	25	27	32	35	36	47	47			
	Avg Max	85.2	89.4	84.6	78.7	66.3	57.8	60.6	63.9	59.6	78.0	77.5	91.0			
	Avg Min	51.1	53.1	50.8	45.8	43.3	37.0	37.4	37.1	40.4	47.6	51.2	59.2			
	Average	68.2	71.3	67.7	62.3	54.8	47.4	47.5	50.5	50.0	62.8	64.4	71.9			
QUINN SAGE HAY CAMP	Maximum															
	Minimum															
	Avg Max															
	Avg Min															
	Average															
WATSONVILLE WATERWORKS	Maximum	96	98	96	93	92	80	76	75	62	95	96	99			
	Minimum	39	43	34	29	25	16	20	22	27	30	40	43			
	Avg Max	83.8	89.0	81.9	78.7	65.6	60.0	62.3	66.1	56.8	75.6	77.2	90.6			
	Avg Min	46.6	50.6	45.6	39.9	39.2	32.1	36.3	37.0	36.6	40.3	46.8	51.4			
	Average	65.2	69.8	63.8	59.3	52.4	46.0	47.0	48.6	46.7	58.0	62.0	72.0			
	Maximum															
	Minimum															
	Avg Max															
	Avg Min															
	Average															

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept	Oct.	Nov	Dec	Jan	Feb.	Mar	Apr	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA LOWER SALINAS RIVER (D2)	Maximum	100	96	90	80	79	79	92	70	53	63	69	102	103	94
	Minimum	40	42	33	32	28	26	29	30	30	30	30	53	53	49
	Avg Max	83.4	89.4	86.4	80.3	76.3	80.3	75.0	68.2	70.4	75.1	75.1	92.1	94.2	82.0
	Avg Min	53.5	52.7	54.2	43.0	39.6	30.3	41.3	34.4	47.3	52.0	52.0	61.0	60.1	57.7
	Average	71.0	76.1	77.2	74.2	72.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
KING CITY	Maximum	93	95	97	95	91	73	70	75	77	67	61	101	69	100
	Minimum	42	43	40	32	30	21	20	27	32	34	41	44	45	47
	Avg Max	82.7	84.2	84.0	81.4	78.3	69.3	62.6	65.5	73.6	73.6	73.6	97.7	95.5	95.5
	Avg Min	51.0	51.0	43.1	44.1	44.1	30.3	33.2	30.0	34.3	44.2	50.2	51.5	52.2	53.2
	Average	65.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
MONTREY	Maximum	83	91	94	91	91	72	72	69	60	95	90	90	79	62
	Minimum	47	47	44	38	38	24	24	33	33	42	49	43	51	51
	Avg Max	77.4	77.6	72.2	72.0	72.0	60.7	60.7	59.1	57.0	64.7	64.7	67.2	73.1	73.1
	Avg Min	51.3	51.3	53.3	49.2	49.2	44.3	44.3	44.3	42.3	43.3	50.1	51.3	52.5	55.4
	Average	59.9	59.9	62.3	62.1	62.1	52.3	52.3	51.7	49.9	49.9	56.5	55.6	60.4	64.3
PINNACLES NAT MON	Maximum	105	107	104	97	94	77	80	75	65	100	104	109	110	102
	Minimum	35	43	37	34	27	25	26	25	27	34	39	43	46	43
	Avg Max	92.9	98.9	99.2	85.0	87.0	63.5	63.5	63.9	57.3	79.5	94.6	100.4	102.5	93.2
	Avg Min	46.6	51.2	47.5	43.1	40.3	34.3	33.6	35.7	35.5	42.3	46.3	53.3	54.7	52.0
	Average	69.7	75.0	68.4	64.1	63.7	49.0	49.0	49.0	46.4	61.2	65.7	76.9	73.6	72.6
PUEBLO VALLEY	Maximum	102	103	100	94	86	73	73	70	60	95	103	105	106	97
	Minimum	33	46	31	25	24	16	17	20	24	25	33	41	40	32
	Avg Max	90.3	95.3	95.4	80.2	83.0	56.3	53.7	53.3	53.2	75.2	92.4	97.6	99.5	90.2
	Avg Min	46.0	50.7	41.6	35.5	35.5	24.4	28.3	31.9	30.3	37.3	41.1	50.0	51.2	52.0
	Average	68.4	73.0	63.5	58.3	49.4	43.4	43.5	45.1	42.0	56.5	61.9	73.3	75.4	68.6
SALINAS 2 E	Maximum	97	96	99	94	94	73	76	75	65	95	75	94	90	96
	Minimum	40	45	36	30	30	27	31	31	34	36	47	45	40	50
	Avg Max	70.0	72.4	76.5	66.7	66.7	64.1	67.1	63.3	59.4	71.2	66.3	72.7	72.1	77.2
	Avg Min	51.0	53.2	52.0	43.5	46.3	41.3	38.3	42.3	41.5	47.6	50.5	53.3	54.7	55.3
	Average	61.4	62.8	64.3	62.4	56.3	51.7	51.3	53.2	52.3	59.6	61.9	62.6	62.7	66.3
SALINAS FAA AP	Maximum	96	95	97	95	95	72	73	71	62	91	76	93	77	95
	Minimum	47	49	42	36	30	26	26	31	33	31	47	44	40	50
	Avg Max	70.0	74.6	74.5	64.7	64.7	61.5	64.1	60.6	57.0	67.3	64.0	71.1	70.2	75.3
	Avg Min	52.0	52.6	51.4	45.9	47.7	39.6	39.6	41.0	39.3	46.5	50.7	53.4	52.4	54.6
	Average	60.9	61.8	63.0	61.1	55.3	49.3	49.3	51.9	49.4	57.2	57.3	61.3	61.3	65.0

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT											
	1966						1967					
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June
CENTRAL COASTAL AREA LOWER SALINAS RIVER (D2) (Cont.)												
	Maximum	86	85	90	--	68						
	Minimum	51	41	40	--	24						
	Avg Max	69.6	68.0	75.0	--	56.5						
	Avg Min	55.4	50.9	49.0	--	37.5						
SOLEDAD CTF	Average	62.5	59.4	62.0	--	47.0	RE					
	Maximum	89	97	93	94	72	72	77	74	64	94	82
	Minimum	44	41	34	33	25	26	31	28	33	35	46
	Avg Max	73.7	76.9	76.6	67.5	63.2	63.2	65.5	63.4	58.1	72.1	69.6
	Avg Min	49.8	49.9	46.1	45.4	38.2	37.0	38.5	40.5	39.8	45.9	49.6
SPRECKELS	Average	61.8	63.4	61.4	56.5	49.7	50.1	52.0	52.0	49.0	59.0	59.6
	Maximum	80	98	--	--	74	80	75	76	65	94	78
	Minimum	46	47	--	--	26	28	32	32	32	38	45
	Avg Max	73.0	76.8	--	--	63.3	62.9	65.7	65.2	60.5	71.0	67.0
	Avg Min	50.8	50.8	--	--	41.5	37.1	38.0	41.0	40.4	47.7	50.5
UPPER SALINAS RIVER (D3)	Average	61.9	63.8	--	--	52.4	50.0	51.8	53.1	50.4	59.4	58.8
	Maximum	102	100	94	91	70	78	76	76	68	99	100
	Minimum	45	44	34	30	21	21	27	30	32	37	40
	Avg Max	89.7	85.6	80.4	67.5	59.4	63.9	66.8	66.2	60.1	79.3	79.5
	Avg Min	52.6	51.0	44.8	43.1	35.1	31.1	34.4	39.8	38.2	47.1	49.4
LINN RANCH	Average	71.2	75.8	68.3	55.3	47.2	47.5	50.6	53.0	49.2	63.2	64.4
	Maximum	101	104	96	90	63	67	70	64	95	102	102
	Minimum	47	50	43	32	21	25	28	31	29	35	42
	Avg Max	90.4	83.3	78.7	63.9	55.4	58.5	63.4	58.6	50.9	76.5	80.9
	Avg Min	53.7	51.9	45.6	43.5	36.7	34.5	36.7	40.3	38.1	47.0	50.4
NACIMIENTO DAM	Average	72.1	77.0	67.6	53.7	46.0	46.5	50.0	51.2	48.4	61.3	65.6
	Maximum	105	109	102	94	70	72	74	75	66	98	103
	Minimum	44	42	36	36	27	26	31	32	32	36	42
	Avg Max	93.3	85.2	81.5	66.3	58.3	61.5	64.5	63.0	57.3	79.5	83.8
	Avg Min	48.6	49.2	44.5	43.9	38.8	36.4	38.7	40.8	39.3	46.8	50.4
PASO ROBLES	Average	71.0	75.0	67.2	55.1	48.6	49.0	51.6	51.9	48.3	63.2	66.6
	Maximum	105	105	98	95	70	74	77	75	68	92	103
	Minimum	39	40	35	35	22	22	26	29	31	36	42
	Avg Max	92.1	95.0	87.0	83.1	59.1	62.6	67.4	64.6	60.7	76.0	82.4
	Avg Min	47.1	49.0	46.8	40.2	35.7	32.4	34.4	39.1	37.5	50.9	57.6
	Average	69.6	72.0	66.9	61.7	47.4	47.5	50.9	51.9	49.1	62.7	65.0
	Maximum	96	106	106	106	106	106	106	106	106	106	106
	Minimum	43	45	45	45	45	45	45	45	45	45	45
	Avg Max	91.5	98.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
	Avg Min	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA															
UPPER SALINAS RIVER (D3)	(Cont.)														
PASO ROBLES FAA AP	Maximum 109	110	104	98	98	69	71	77	74	68	103	107	110	110	101
	Minimum 46	48	43	31	34	28	25	28	30	31	36	40	51	50	50
	Avg Max 94.1	98.3	87.2	82.4	65.7	58.2	61.6	65.3	63.5	59.4	81.3	84.7	99.3	100.7	91.0
	Avg Min 52.3	54.7	51.1	45.1	44.1	38.1	35.0	35.8	41.3	39.4	47.1	50.6	56.7	56.3	55.7
	Average 73.2	76.5	69.2	63.8	54.9	48.2	48.3	50.6	52.4	49.4	64.2	67.7	78.0	78.5	73.4
SAN ANTONIO MISSION	Maximum 105	110	107	96	93	72	75	76	75	68	100	108	109	112	101
	Minimum 39	39	35	31	28	22	23	26	27	29	31	36	45	45	46
	Avg Max 94.5	101.2	90.9	86.0	68.5	61.5	64.5	68.9	64.2	60.5	81.6	88.0	103.7	104.7	95.2
	Avg Min 46.2	50.0	45.2	40.9	38.8	34.3	33.7	33.3	36.2	35.4	42.2	46.0	54.4	53.9	51.8
	Average 70.4	75.6	68.0	63.5	53.7	47.9	49.1	51.1	50.2	48.0	61.9	67.0	79.1	79.3	73.5
TEMPLETON	Maximum 103	107	100	94	92	69	71	77	72	66	100	101	107	108	100
	Minimum 41	41	39	31	31	24	25	28	30	32	37	40	49	42	48
	Avg Max 90.0	92.8	85.1	80.5	65.4	57.2	61.7	65.1	62.9	58.1	78.4	79.7	95.5	96.2	90.3
	Avg Min 50.2	52.8	48.2	42.7	43.1	37.7	33.5	36.7	40.5	39.6	45.9	47.9	55.8	54.5	55.0
	Average 69.6	72.8	66.6	61.6	54.2	47.4	47.6	50.9	51.7	48.8	62.2	63.8	75.6	75.4	72.2
MONTREY COAST (D4)															
CARMEL VALLEY	Maximum 91	94	101	97	94	78	78	77	72	64	90	91	97	94	99
	Minimum 41	40	40	36	34	28	28	34	32	32	36	39	41	42	46
	Avg Max 75.4	79.9	81.0	79.8	67.5	63.8	64.9	67.9	62.2	58.2	70.4	67.7	78.5	79.3	82.6
	Avg Min 47.4	49.5	49.6	47.7	45.3	40.9	43.0	39.8	39.9	39.5	45.5	48.6	49.4	49.8	52.7
	Average 61.4	64.7	65.3	63.8	56.4	52.4	55.5	53.9	51.1	49.0	58.0	58.2	64.0	64.7	67.7
ROOSEVELT RANCH	Maximum 84	85	87	85	85	69	72	70	69	66	91	73	91	87	87
	Minimum 51	52	52	52	48	43	42	44	41	40	47	50	52	51	53
	Avg Max 71.6	72.6	73.6	71.0	62.6	59.2	59.8	63.1	58.4	55.4	69.3	63.8	77.3	77.1	70.1
	Avg Min 56.7	57.5	58.1	55.6	53.5	50.7	50.2	50.6	47.7	46.1	52.9	51.8	61.9	57.2	56.5
	Average 64.2	65.1	66.2	63.3	58.0	55.0	55.0	56.3	53.0	50.3	61.1	57.8	69.6	64.2	63.3

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA MARTIN-SOLANO (E2)															
	Maximum	91	96	97	90	86	65	67	70	65	91	89	98	92	97
	Minimum	46	46	47	39	34	29	33	33	35	37	46	46	47	48
	Avg Max	80.9	83.3	82.9	77.0	64.1	54.4	58.9	60.3	61.7	74.3	73.0	82.9	84.1	84.1
	Avg Min	50.0	51.1	52.6	48.7	45.7	42.1	39.9	39.6	41.0	46.6	49.6	51.2	51.0	53.5
	Average	65.5	67.2	67.8	62.9	54.9	48.3	48.5	50.0	49.6	60.7	61.3	67.1	67.6	68.8
PETALUMA FS NO 2															
	Maximum	93	100	100	93	85	66	70	68	63	92	87	98	--	100
	Minimum	45	43	44	36	29	26	26	30	31	33	43	46	47	49
	Avg Max	79.6	83.5	81.2	78.1	63.8	54.9	58.9	60.9	61.1	73.0	73.1	83.9	--	83.8
	Avg Min	49.9	51.2	52.2	45.7	44.5	40.6	37.7	37.6	40.6	45.1	49.7	51.1	50.8	54.0
	Average	64.8	67.4	66.7	61.9	54.2	47.8	48.3	49.3	48.3	59.1	61.4	67.5	--	68.9
SAN RAFAEL															
	Maximum	91	92	97	89	84	67	71	70	64	93	88	95	91	97
	Minimum	48	47	48	44	37	33	35	39	37	41	48	51	50	52
	Avg Max	80.1	83.0	82.0	78.3	65.0	56.6	59.9	62.7	63.2	75.9	74.9	84.0	83.8	83.8
	Avg Min	52.0	53.2	55.3	51.6	47.8	44.0	42.7	42.9	44.3	49.7	51.9	53.8	53.9	56.9
	Average	66.1	68.1	68.7	65.0	56.4	50.3	52.8	53.8	50.9	62.8	63.4	68.9	68.9	70.4
SONOMA															
	Maximum	100	105	102	92	87	65	70	70	72	95	93	103	104	100
	Minimum	42	43	41	31	27	25	26	27	28	30	43	43	43	44
	Avg Max	85.7	90.4	86.5	80.7	64.1	54.9	58.8	62.6	63.6	78.7	79.5	90.5	93.8	88.7
	Avg Min	47.2	49.1	47.7	43.5	42.2	39.4	36.9	35.6	38.0	42.5	48.7	50.4	49.1	50.4
	Average	66.5	69.8	67.1	62.1	53.2	47.2	47.9	49.1	48.5	60.6	64.1	70.3	71.5	69.6
NAPA-SOLANO (E3)															
	Maximum	96	101	98	86	86	60	70	70	61	90	94	96	101	95
	Minimum	42	42	40	42	32	30	27	30	28	35	43	47	50	45
	Avg Max	83.8	88.6	86.6	73.9	57.7	51.0	54.3	59.0	54.5	73.0	74.4	88.9	92.3	84.8
	Avg Min	50.5	54.3	51.3	49.9	44.2	40.0	39.6	41.6	36.9	42.0	50.0	56.3	60.9	53.6
	Average	67.2	71.5	68.0	61.9	51.0	47.0	50.3	45.7	42.0	60.1	62.2	72.6	76.6	69.2
CALISTOGA															
	Maximum	98	103	105	95	91	65	75	79	71	94	101	100	104	102
	Minimum	40	40	37	30	24	21	24	23	25	32	44	44	44	42
	Avg Max	88.4	92.2	91.1	81.0	63.1	56.5	59.7	65.5	60.5	78.5	80.7	93.5	96.2	89.9
	Avg Min	46.8	49.0	46.6	41.1	36.5	33.4	33.4	33.5	34.6	42.2	50.6	51.6	50.8	51.0
	Average	67.6	70.6	68.8	61.0	52.2	46.5	46.6	47.6	46.6	60.4	65.7	72.6	73.5	70.5
DENVERTON I S															
	Maximum	101	103	100	89	82	60	66	66	69	92	95	101	102	100
	Minimum	53	53	50	39	28	25	28	27	31	39	49	53	53	50
	Avg Max	93.3	89.3	85.0	77.9	64.4	52.9	55.9	58.2	61.7	77.0	77.9	89.1	90.7	86.5
	Avg Min	52.4	58.1	55.8	49.0	44.2	39.2	39.2	38.1	38.7	49.5	54.1	59.4	58.3	57.2
	Average	70.4	73.7	70.4	63.4	54.3	46.0	45.8	47.2	49.5	62.2	66.0	74.2	74.5	71.8

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
SAN FRANCISCO BAY AREA NAPA-SOLANO (E3) (Cont.)	Maximum	91	100	88	85	60	67	65	68	63	90	85	92	83	93
	Minimum	43	42	39	33	31	32	31	34	32	37	39	50	49	51
	Avg Max	75.5	77.3	74.8	64.6	53.8	56.5	58.7	60.7	57.5	71.8	70.1	76.9	78.3	80.1
	Avg Min	50.7	51.8	46.9	42.6	40.8	37.4	38.3	40.1	39.3	46.3	50.8	54.0	53.3	54.0
	Average	63.1	64.6	60.9	53.6	47.3	47.0	48.5	50.4	48.4	59.1	60.5	65.7	65.8	67.1
FAIRFIELD POLICE STA	Maximum	95	100	90	86	65	70	70	71	69	94	96	102	105	97
	Minimum	43	49	39	30	28	27	31	33	32	38	49	52	52	54
	Avg Max	79.5	86.0	79.7	65.4	54.0	57.5	60.7	63.0	60.0	78.7	79.5	90.7	94.5	83.3
	Avg Min	53.7	56.2	49.3	44.4	40.3	37.9	38.9	41.4	39.7	49.4	52.6	57.2	57.2	58.6
	Average	66.6	71.1	64.5	54.9	47.2	47.7	49.8	52.2	49.9	64.1	66.1	74.0	75.9	73.5
MARE ISLAND	Maximum	89	90	87	82	63	65	66	71	67	91	98	93	90	96
	Minimum	55	54	47	40	36	35	41	41	42	45	53	57	53	56
	Avg Max	77.1	77.6	74.3	63.1	52.9	55.3	57.9	61.7	59.3	74.3	73.6	81.8	79.3	81.4
	Avg Min	58.3	58.4	55.4	51.7	45.1	44.1	44.6	46.8	43.5	64.2	65.0	68.0	68.9	61.9
	Average	67.7	68.0	64.9	57.4	49.0	49.7	51.3	54.3	52.5	69.3	69.3	70.9	68.9	71.7
NAPA STATE HOSPITAL	Maximum	96	98	93	89	65	69	70	70	66	92	90	99	93	102
	Minimum	47	48	37	31	29	29	32	31	33	38	48	49	47	49
	Avg Max	80.2	83.1	78.9	65.1	55.2	59.4	62.9	62.2	59.5	75.7	74.3	82.9	84.9	84.4
	Avg Min	51.5	52.8	43.2	45.1	40.6	39.0	38.5	40.3	38.1	47.6	51.6	54.0	54.0	54.3
	Average	65.9	68.0	63.6	55.1	48.3	49.2	50.7	51.3	48.8	61.7	63.0	68.5	69.2	69.9
SAINT HELENA	Maximum	102	106	100	94	64	71	78	72	68	96	96	102	104	101
	Minimum	45	42	33	26	24	28	29	28	27	36	46	46	47	46
	Avg Max	86.4	91.8	81.8	63.6	55.7	59.0	64.7	61.5	57.7	78.7	79.0	89.8	92.3	87.7
	Avg Min	60.2	51.8	44.3	39.8	37.1	37.0	36.7	38.5	37.1	45.3	52.2	53.2	52.7	52.3
	Average	68.3	71.8	63.2	53.7	47.4	48.0	50.8	50.0	47.4	62.0	65.6	71.5	72.5	70.0
VETERANS HOME	Maximum	96	102	98	90	66	67	74	69	67	94	100	104	103	99
	Minimum	49	44	34	24	28	31	33	32	32	35	43	47	46	45
	Avg Max	87.2	97.6	76.7	65.0	55.1	57.7	67.0	62.7	61.4	79.7	79.9	89.2	90.6	85.8
	Avg Min	51.2	53.6	45.9	38.9	34.0	38.5	39.2	39.9	39.4	47.9	53.7	54.3	54.0	53.3
	Average	69.2	70.6	63.8	55.0	49.1	48.1	50.5	51.3	50.3	63.8	66.8	71.8	71.3	69.6
YOUNTVILLE GAMELE	Maximum	97	99	93	87	61									
	Minimum	41	30	26	26	26									
	Avg Max	81.6	85.4	80.9	62.4	53.0									
	Avg Min	47.2	42.4	38.6	38.1	38.1									
	Average	64.6	66.3	61.6	58.0	51.8									

TEMPERATURE DATA

CENTRAL COASTAL AREA

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TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
SAN FRANCISCO BAY AREA EAST BAY (E4) (CONT.)	Maximum	84	92	87	76	65	64	67	65	60	84	77	83	79	90
	Minimum	53	53	47	38	34	35	39	40	41	46	52	54	53	57
	Avg Max	69.2	71.8	70.0	61.6	55.4	55.9	59.0	58.1	56.0	66.7	65.3	70.3	71.0	73.6
	Avg Min	57.2	58.1	54.2	50.5	45.2	44.5	45.5	48.3	46.9	52.5	54.5	57.0	56.8	59.3
	Average	63.2	65.0	62.1	56.1	50.3	50.2	50.2	52.3	51.5	59.6	59.9	63.7	63.9	66.5
OAKLAND WB AP	Maximum	96	101	88	80	63	68	66	70	67	92	98	101	101	96
	Minimum	49	49	37	28	23	23	26	28	31	36	43	49	50	50
	Avg Max	86.2	89.7	77.6	63.9	54.1	56.7	59.8	62.7	60.0	77.6	81.1	91.7	92.7	96.9
	Avg Min	52.8	53.5	46.6	43.5	39.0	36.4	36.8	39.0	38.9	45.3	51.0	54.2	53.7	55.2
	Average	69.5	71.6	62.1	53.7	46.6	46.6	46.6	48.3	49.5	61.5	66.1	73.0	73.2	71.1
PORT CHICAGO MAD	Maximum	81	85	89	86	63	68	67	69	65	87	76	93	79	94
	Minimum	53	51	44	38	32	36	38	39	39	44	51	52	53	40
	Avg Max	68.7	70.8	73.3	64.7	56.3	59.4	61.7	61.7	58.4	68.9	65.1	69.3	69.5	73.7
	Avg Min	55.1	55.4	52.9	49.4	44.3	43.0	42.6	45.6	44.8	51.3	53.4	55.2	55.6	57.1
	Average	61.9	63.1	63.1	57.1	50.3	51.2	51.2	52.2	51.6	60.1	59.3	62.3	62.6	65.4
RICHMOND	Maximum	96	99	86	80	58	63	65	68	61	92	94	98	100	93
	Minimum	45	48	33	27	23	23	26	30	30	33	47	51	47	49
	Avg Max	73.6	85.6	73.2	61.0	52.0	54.2	57.8	59.2	55.3	74.0	73.3	85.5	87.9	91.3
	Avg Min	52.9	55.3	45.7	42.1	38.1	35.4	34.7	39.0	37.0	45.4	50.6	55.1	54.4	54.5
	Average	65.8	70.5	59.5	51.6	45.1	44.8	46.3	49.1	46.2	59.7	62.0	70.3	71.2	67.9
SAINT MARYS COLLEGE	Maximum	85	89	83	86	63	68	66	70	62	88	95	91	90	-
	Minimum	49	49	43	37	32	34	36	37	36	40	47	50	51	50
	Avg Max	72.2	76.7	73.2	64.2	55.8	58.6	60.8	60.3	56.5	70.1	67.9	76.3	78.1	-
	Avg Min	51.5	52.8	50.6	46.5	41.4	41.5	40.3	41.3	39.5	47.0	50.7	53.1	53.2	55.0
	Average	61.9	64.3	61.9	55.4	48.6	50.1	50.6	51.1	48.0	58.6	59.3	64.7	65.7	-
UPPER SAN LEANDRO FFL	Maximum	102	103	90	85	63	67	72	70	65	94	97	100	103	96
	Minimum	44	47	32	26	23	23	26	30	32	35	45	46	47	47
	Avg Max	83.5	90.1	76.1	64.7	54.3	56.6	60.5	62.4	58.8	77.5	77.4	90.7	93.3	96.7
	Avg Min	51.3	52.2	49.6	42.7	38.1	39.9	35.2	37.5	38.1	44.5	50.6	52.8	52.1	52.1
	Average	67.4	71.2	62.6	59.4	46.2	45.3	45.3	47.9	50.0	61.0	64.0	71.8	72.9	69.4
WALNUT CREEK 2 ESE	Maximum	98	102	95	86	62	66	66	69	62	98	103	101	104	92
	Minimum	50	52	47	38	28	30	29	31	32	38	48	50	52	52
	Avg Max	83.6	89.1	80.9	74.2	62.3	55.8	57.7	61.1	55.7	76.5	73.2	81.4	82.0	81.8
	Avg Min	53.3	57.9	54.3	46.9	45.0	39.5	46.9	40.1	40.0	46.7	52.7	55.5	56.8	57.6
	Average	68.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	49.4	61.6	65.5	73.5	74.4
ALAMEDA CREEK (E5)	Maximum	98	102	95	86	62	66	66	69	62	98	103	101	104	92
	Minimum	50	52	47	38	28	30	29	31	32	38	48	50	52	52
	Avg Max	83.6	89.1	80.9	74.2	62.3	55.8	57.7	61.1	55.7	76.5	73.2	81.4	82.0	81.8
	Avg Min	53.3	57.9	54.3	46.9	45.0	39.5	46.9	40.1	40.0	46.7	52.7	55.5	56.8	57.6
	Average	68.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	49.4	61.6	65.5	73.5	74.4
LIVERMORE COUNTY FD	Maximum	98	102	95	86	62	66	66	69	62	98	103	101	104	92
	Minimum	50	52	47	38	28	30	29	31	32	38	48	50	52	52
	Avg Max	83.6	89.1	80.9	74.2	62.3	55.8	57.7	61.1	55.7	76.5	73.2	81.4	82.0	81.8
	Avg Min	53.3	57.9	54.3	46.9	45.0	39.5	46.9	40.1	40.0	46.7	52.7	55.5	56.8	57.6
	Average	68.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	49.4	61.6	65.5	73.5	74.4

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA															
ALAMEDA CREEK (F5) (CONT.)															
LIVERMORE SEWAGE PLT	Maximum 100	104	100	90	84	62	68	70	70	68	96	98	102	104	98
	Minimum 46	43	44	34	29	24	26	26	29	32	34	44	44	47	49
	Avg Max 82.6	89.7	85.5	77.7	65.1	54.6	57.2	60.1	61.6	59.3	74.3	78.1	89.7	92.6	86.5
	Avg Min 52.2	54.0	51.8	44.2	33.8	37.9	35.1	35.2	38.7	39.2	45.8	45.1	52.9	54.2	53.6
	Average 67.4	71.8	68.6	61.0	53.8	46.2	46.2	47.6	50.2	49.8	61.0	64.6	71.3	73.4	70.0
LIVERMORE 2 SW	Maximum 101	105	101	92	84	62	66	69	70	62	95	99	104	108	99
	Minimum 46	51	44	38	31	25	31	30	30	32	35	43	48	49	49
	Avg Max 83.8	91.2	84.1	77.6	65.0	54.0	57.7	59.5	60.9	56.4	74.2	77.7	91.8	94.2	87.6
	Avg Min 51.6	55.0	52.4	47.4	34.4	39.8	36.6	35.9	39.6	39.5	45.7	49.9	53.5	55.4	55.2
	Average 67.7	73.1	68.3	62.5	54.2	46.4	47.2	47.2	50.3	48.0	60.0	53.8	72.7	74.3	71.4
MOUNT HAMILTON	Maximum 87	90	87	83	74	-	69	70	60	45	84	86	92	93	84
	Minimum 44	40	38	35	29	-	24	23	23	23	30	34	36	34	44
	Avg Max 75.7	81.7	72.8	70.5	-	-	51.5	54.5	47.4	39.3	64.7	69.8	83.3	86.0	77.0
	Avg Min 57.9	65.5	52.2	52.1	42.6	-	37.0	39.9	34.0	28.2	49.1	53.2	66.3	70.9	59.7
	Average 66.8	73.6	62.5	61.3	-	-	44.3	47.2	40.7	33.8	56.4	61.5	74.8	78.5	68.4
NEWARK	Maximum 84	89	94	85	82	65	65	65	69	63	88	87	90	89	93
	Minimum 50	52	49	45	38	31	33	39	35	37	43	51	54	54	55
	Avg Max 71.0	73.2	76.4	72.4	63.7	56.2	56.5	59.0	60.4	56.4	69.5	69.9	77.1	78.8	73.3
	Avg Min 54.2	56.0	55.2	52.1	48.2	43.5	40.5	42.4	45.1	44.2	51.5	53.8	56.0	56.8	59.0
	Average 62.6	64.6	65.8	62.3	56.0	49.9	48.5	50.7	52.8	50.3	60.7	61.9	66.6	67.8	68.7
PLEASANTON NURSERY	Maximum 100	103	100	92	86	60	70	70	72	63	96	96	100	103	96
	Minimum 45	46	42	33	29	25	26	26	28	32	34	34	38	38	36
	Avg Max 83.8	90.5	83.6	78.3	64.7	54.1	58.0	61.6	60.8	56.5	75.2	77.7	91.8	93.2	86.7
	Avg Min 50.6	53.6	50.6	44.9	42.6	39.3	36.5	36.6	41.5	40.1	46.3	51.8	53.2	54.1	48.9
	Average 67.2	72.1	67.1	61.6	53.6	46.7	47.2	49.1	51.1	48.3	60.8	64.8	72.5	73.6	70.8
SANTA CLARA VALLEY (F6)															
ALAMITOS PERC POND	Maximum 94	96	97	90	88	69	69	71	72	64	95	93	100	97	99
	Minimum 49	49	46	39	34	28	31	34	33	35	37	43	50	51	51
	Avg Max 81.1	86.3	82.6	77.2	66.3	57.5	60.3	63.6	62.8	58.7	71.6	78.7	88.7	88.7	84.7
	Avg Min 53.2	54.9	52.6	49.0	46.1	40.1	38.1	39.5	42.0	41.5	49.0	52.6	55.8	56.4	57.1
	Average 67.2	70.6	67.6	63.1	56.2	48.8	49.2	51.6	52.4	50.1	62.6	65.6	71.4	72.6	70.9
LEXINGTON RESERVOIR	Maximum 96	101	96	90	85	64	66	73	71	65	93	97	100	101	100
	Minimum 43	42	40	35	29	27	29	31	26	31	33	32	33	33	30
	Avg Max 84.7	89.3	84.0	75.7	66.8	53.8	57.8	63.1	60.9	56.3	75.5	78.2	91.1	91.1	87.0
	Avg Min 48.7	50.1	49.0	43.2	38.3	38.3	38.5	39.5	41.2	37.8	45.1	48.7	52.0	48.8	48.0
	Average 66.7	69.7	66.5	61.0	52.0	46.0	48.2	50.2	51.0	47.1	60.3	63.4	70.8	70.0	67.5

TABLE A-3

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA															
SANTA CLARA VALLEY (E6)															
LOS GATOS	95 46 81.2 51.6 66.4	97 49 86.4 54.3 70.4	96 44 82.5 51.5 67.0	89 36 76.3 47.4 61.9	86 32 64.3 44.0 54.2	66 26 57.0 38.5 47.8	69 30 59.7 49.3	71 32 63.2 37.6 50.4	71 30 62.6 40.5 51.6	63 30 58.2 43.9	94 35 16.6 46.6 61.6	94 44 78.2 50.9 64.6	100 48 87.2 54.6 70.9	98 50 88.6 55.3 72.0	97 49 86.9 54.9 70.1
BAYSIDE - SAN MATEO (E7)															
SAN FRANCISCO WB AP	87 50 68.4 52.6 60.5	85 50 71.7 52.8 62.3	93 50 73.8 54.2 64.0	87 42 70.6 50.2 60.4	82 36 61.9 47.5 54.7	61 32 54.8 43.1 49.0	66 36 56.5 41.8 49.2	65 39 59.9 42.8 51.4	67 39 59.5 45.3 52.4	60 38 77.4 44.3 50.9	86 44 67.0 49.9 58.5	77 49 66.5 59.3	87 50 71.9 53.5 62.7	80 51 71.7 53.9 62.3	92 55 75.1 57.6 68.4
SAN FRANCISCO FOB	79 49 63.8 52.5 58.2	77 50 64.7 52.9 59.3	95 53 70.2 56.9 63.6	85 50 70.0 55.2 62.6	86 46 62.6 51.3 57.2	63 41 55.9 46.7 51.3	67 40 58.0 47.2 52.6	66 42 59.5 46.9 53.2	65 41 53.2 47.2 52.7	59 40 55.3 46.8 50.9	84 48 64.8 50.9 57.9	68 49 62.4 51.8 57.1	78 50 63.9 53.8 58.9	72 51 63.9 54.5 59.2	87 45 69.3 57.7 63.5
SAN MATEO	90 46 74.2 54.7 61.5	90 47 78.6 56.7 67.6	97 57 78.4 54.3 66.4	90 54 74.8 53.2 64.0	80 35 64.7 49.9 57.3	66 36 58.1 47.5 52.8	71 38 59.5 46.1 52.8	68 39 62.8 46.7 54.8	68 38 61.2 47.5 54.4	62 37 77.5 44.4 51.0	90 46 70.4 53.7 62.1	90 49 69.4 53.2 61.3	94 49 77.8 52.5 65.2	87 48 74.1 54.1 66.6	98 51 77.8 57.3 69.2
COAST - SAN MATEO (E8)															
HALF MOON BAY	69 42 62.8 48.6 55.7	70 44 64.4 51.1 57.8	89 45 69.4 49.9 59.7	89 39 70.6 47.4 59.0	87 34 64.3 46.1 55.2	65 33 59.4 42.1 50.8	72 37 60.1 43.4 51.9	69 35 62.7 43.1 53.2	67 35 57.9 43.5 50.7	58 36 56.0 42.7 49.4	78 40 62.4 46.0 53.2	64 46 60.2 50.1 55.2	71 48 63.5 53.7 58.6	71 50 63.4 53.6 58.5	78 50 68.1 55.1 61.6
SAN FRANCISCO SUNSET	68 52 62.2 54.0 58.1	68 50 62.0 54.2 58.1	96 50 67.3 55.5 61.4	87 39 68.1 55.0 61.6	85 39 63.6 49.1 56.4	62 40 56.8 48.4 52.6	68 39 53.0 47.5 52.8	70 39 61.6 49.0 55.3	74 40 59.6 49.8 54.7	57 37 56.9 45.4 51.2	70 47 61.5 53.9 57.7	66 47 59.3 51.9 55.6	70 51 63.0 56.8 59.9	74 47 62.8 55.1 59.0	79 54 68.0 56.4 62.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA															
COAST - SAN MATEO (F3)															
SAN GREGORIO 2 SE															
Maximum	84	80	93	89	89	71	71	74	66	60	80	76	77	74	89
Minimum	57	40	47	33	33	28	29	32	32	34	35	42	40	43	44
Avg Max	61.7	70.0	73.4	71.9	63.9	60.1	60.0	63.3	58.4	56.9	64.0	62.2	63.2	60.4	73.1
Avg Min	43.6	43.3	40.6	43.7	44.0	39.7	39.5	38.2	41.0	40.4	44.5	49.1	49.4	49.9	50.7
Average	58.7	59.2	61.0	57.8	54.0	49.9	49.3	51.0	49.7	48.7	54.3	55.7	56.8	59.7	61.9

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
NORTH COASTAL AREA MENDOCINO COAST (F8)	Maximum	106	107	99	96	69	75	80	77	70	95	103	-	107	106
	Minimum	41	41	39	28	26	27	26	28	30	36	42	-	42	45
	Avg Max	85.4	90.2	81.9	70.2	59.9	59.5	68.4	63.5	59.0	77.9	81.3	-	94.3	91.4
	Avg Min	49.4	49.4	47.2	42.4	40.6	36.4	35.6	38.8	38.2	42.0	49.7	-	50.2	49.7
	Average	67.4	69.8	67.6	62.2	55.7	50.2	48.0	51.2	48.6	60.0	65.8	-	72.2	70.6
PORT BRAGG	Maximum	68	70	85	71	64	60	67	63	60	69	64	68	70	73
	Minimum	44	44	38	38	31	33	35	33	33	38	44	40	39	49
	Avg Max	63.6	62.5	66.5	63.2	60.7	57.0	57.9	56.2	55.4	59.7	59.2	62.6	62.0	66.8
	Avg Min	49.2	48.3	50.3	46.3	43.3	39.9	39.6	39.9	39.9	45.6	48.3	48.1	48.1	51.3
	Average	56.4	55.4	58.4	54.8	53.8	50.2	47.6	48.1	47.7	52.7	53.8	55.4	55.1	59.3
PORT BRAGG AVIATION	Maximum	67	72	77	74	63	60	66	62	59	63	66	66	68	95
	Minimum	40	39	41	32	31	30	29	30	32	36	40	41	-	44
	Avg Max	62.4	62.8	65.7	62.1	59.6	57.3	57.5	55.6	55.4	58.7	60.0	62.4	-	67.0
	Avg Min	46.9	47.2	47.7	43.7	44.6	43.0	39.1	37.9	38.5	43.4	47.1	45.3	-	49.6
	Average	54.7	55.0	56.7	52.9	52.1	50.2	47.2	47.7	47.1	47.3	51.1	53.6	-	58.3
PORT ROSS	Maximum	68	71	92	80	62	68	64	61	61	72	66	74	74	94
	Minimum	43	44	45	41	34	35	35	34	37	39	42	43	45	46
	Avg Max	64.9	64.6	68.1	67.3	56.6	57.7	57.6	56.3	55.9	61.5	60.6	65.2	64.4	69.1
	Avg Min	47.3	48.4	50.8	47.2	44.2	42.7	41.3	41.6	40.5	44.2	47.4	47.2	49.2	51.7
	Average	56.1	56.5	59.5	57.3	50.4	50.2	49.5	49.0	48.2	52.9	54.0	56.2	56.3	60.4
POINT ARENA	Maximum	69	72	95	84	61	62	65	61	60	74	66	75	74	89
	Minimum	45	46	45	39	36	34	35	35	34	33	46	47	47	43
	Avg Max	65.4	64.2	68.7	67.2	56.5	58.0	59.1	56.0	55.3	62.3	60.7	63.8	65.0	71.3
	Avg Min	49.5	49.2	51.5	47.8	44.3	42.6	40.9	41.3	39.5	44.5	49.4	49.6	49.3	52.1
	Average	57.5	56.7	60.1	57.5	50.7	49.3	49.5	48.9	47.4	53.4	55.1	56.7	57.2	61.7
RUSSIAN RIVER (F9)	Maximum	97	104	107	96	95	62	74	71	65	97	97	103	105	102
	Minimum	47	47	46	38	34	29	31	31	31	36	46	46	46	43
	Avg Max	87.2	91.1	87.0	80.8	64.5	59.4	64.9	62.0	56.5	77.5	70.1	92.9	94.0	93.8
	Avg Min	51.9	52.1	51.0	47.3	43.7	37.7	38.0	38.0	37.2	46.0	51.1	53.5	52.1	53.5
	Average	69.6	71.6	69.0	64.1	54.2	48.1	51.4	49.0	46.9	62.3	61.1	73.2	73.1	71.2
COYOTE DAM	Maximum	102	104	103	94	92	63	70	75	61	94	102	103	106	102
	Minimum	37	35	40	30	28	26	29	28	30	30	46	48	46	46
	Avg Max	83.0	82.9	86.6	80.0	63.0	56.6	64.8	61.3	55.2	77.6	81.8	93.3	93.3	92.8
	Avg Min	48.0	51.6	47.8	40.8	38.9	36.0	34.8	37.8	37.0	42.0	40.9	53.2	53.0	49.5
	Average	68.0	72.2	67.2	60.4	51.0	46.4	46.3	49.8	46.6	59.3	65.8	73.2	75.6	71.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NORTH COASTAL AREA															
RUSSIAN RIVER (FS) (CONT.)															
GRATON															
GRATON L W															
HEADGEURG															
INVERNESS MERY															
KNIGHTS VALLEY															
POTTER VALLEY PH															
SANTA ROSA SEWAGE PLT															

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966												1967		
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June	July	Aug	Sept.
NORTH COASTAL AREA															
RUSSIAN RIVER (F9) (CONT.)															
SANTA ROSA	94 45 82.6 48.6 65.6	101 44 86.3 49.7 68.0	104 41 84.4 49.6 67.0	95 34 80.7 44.2 62.5	89 29 64.5 44.2 54.4	66 27 56.2 40.7 48.5	75 28 60.5 37.2 48.9	71 30 63.9 37.3 50.6	72 30 63.2 40.0 51.6	70 31 61.2 38.0 49.6	91 36 77.0 45.0 61.0	89 45 76.1 49.5 62.8	97 45 85.7 50.9 68.3	100 47 88.1 50.6 69.4	100 48 87.0 53.3 70.2
UKIAH	103 45 88.8 51.5 70.2	105 46 92.8 53.9 73.4	106 43 87.7 51.0 69.4	97 32 81.8 44.1 63.0	92 28 63.4 42.8 53.1	68 26 58.1 38.7 48.4	75 26 58.2 36.5 47.4	80 29 68.1 36.0 52.1	78 27 60.7 37.5 49.1	65 30 57.2 37.1 47.2	99 34 80.1 45.9 63.0	104 42 85.0 51.9 68.5	104 50 94.8 56.1 75.5	109 50 99.3 55.8 77.6	105 49 92.1 53.8 73.0
WOODACRE	95 41 78.0 48.0 63.0	99 45 83.2 49.4 66.3	98 40 80.0 49.2 64.6	87 31 74.8 43.8 59.3	81 25 60.9 42.7 51.8	60 24 52.5 40.4 46.5	66 24 56.1 36.8 46.5	66 27 60.8 36.0 48.4	70 27 60.5 39.6 50.1	64 31 56.3 37.7 47.0	93 33 74.1 43.9 59.0	93 43 73.8 49.6 61.7	97 42 83.8 49.7 66.8	101 42 87.1 49.4 68.3	94 45 82.3 51.2 66.8

Evaporation Data

Terms and the abbreviations used in connection with tables listing evaporation data are as follows:

- Evap - The total amount of water evaporated from the pan in inches for the month.
- Wind - The amount of movement of air over the pan in miles for the month.
- Avg Max - The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.
- Avg Min - The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.
- RE - Record ends.
- RB - Record begins.
- - No record or record incomplete.

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches										Water Temperature in Degrees Fahrenheit										Total Oct 1 To Sept 30
	Total July 1 To June 30	1966					1967					July	Aug	Sept.							
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.					May	June	July	Aug	Sept.	
CENTRAL COASTAL AREA LOWER SALINAS RIVER (12)																					
	Evap	49.85	7.37	7.29	5.28	4.38	3.18	1.42	2.55	2.10	3.23	4.55	3.89	4.61	6.64	6.03	5.13	47.71			
	Wind	--	33.5	24.35	30.17	--	--	21.05	14.75	10.94	24.28	29.59	27.11	31.29	31.30	29.49	23.14	--			
	Evap	59.18	8.14	7.23	6.02	5.28	3.15	2.00	2.78	2.62	3.79	4.17	7.21	6.79	8.87	--	6.12	--			
	Wind	57221	6423	5941	4618	4197	4050	4085	4225	3390	4714	4006	5907	6225	5225	4538	3969	54271			
UPPER SALINAS RIVER (D3)																					
	Avg Max	68.4	75.5	79.2	76.7	70.9	63.0	56.2	57.4	63.0	65.3	63.1	76.0	75.0	69.5	64.5	63.4	65.6			
	Avg Min	45.9	50.5	53.4	51.9	46.9	45.7	40.0	38.5	40.7	42.7	42.3	48.0	50.7	43.5	38.1	37.9	42.9			
	Evap	65.91	11.07	11.03	7.82	5.42	2.66	1.43	1.73	1.97	3.23	3.72	7.26	8.57	11.25	10.77	7.35	65.38			
	WACIMIENTO DAM																				

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches												Water Temperature in Degrees Fahrenheit												Total Oct 1 to Sept 30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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SAN FRANCISCO BAY AREA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches												Wind in Total Miles						Water Temperature in Degrees Fahrenheit												Total Oct 1 to Sept 30
	Total July 1 To June 30	1966						1967						1967						1967											
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June	July	Aug	Sept.															
NORTH COASTAL AREA RUSSIAN RIVER (F9)	Evap	63.35	10.15	11.98	7.87	4.85	1.71	1.04	1.50	1.88	2.73	2.79	7.80	9.05	12.23	11.28	8.64							65.60							
	Wind	--	12.78	14.87	13.97	12.32	10.90	--	--	1016	1574	1507	1650	1653	--	--	--	--							--						
	Avg Max	70.1	85.6	87.6	82.2	72.7	59.8	53.2	51.6	59.8	61.8	59.6	81.9	85.5	97.1	97.0	91.9							72.7							
	Avg Min	45.4	52.6	56.7	51.5	46.1	42.7	40.1	34.6	36.8	39.5	39.0	48.6	56.8	54.9	53.1	49.0							45.1							
GILBERTVILLE ROCKING	Evap	--	--	--	--	1.40	0.84	1.00	2.08	1.05	0.65	4.87	5.69	6.90	7.62	5.31							--								
	Wind	--	--	--	667	61.6	55.8	71.6	64.5	63.8	63.6	86.2	--	96.5	93.1	87.3							--								
	Avg Max	--	--	--	--	61.6	55.8	56.6	64.5	63.4	62.5	86.2	--	96.5	93.1	87.3							--								
	Avg Min	--	--	--	--	47.5	44.3	41.6	41.8	43.4	42.5	51.1	--	63.2	58.9	58.2							--								
KNIGHTS VALLEY	Evap	51.51	8.66	7.92	4.78	1.57	0.85	1.22	1.77	3.10	2.92	5.99	6.11	8.51	7.89	6.31							51.02								
	Wind	2781.0	3022	2401	1993	2061	1787	2211	1299	2714	2307	2621	2748	2736	2574	2213							27864								

Appendix B

SURFACE WATER MEASUREMENT



INTRODUCTION

In this appendix, surface water data are presented for the period October 1, 1966, through September 30, 1967. These data consist of imported water to report area, daily mean gage heights, daily maximum and minimum tides, and corrections to previously published reports.

The station numbering system is that which is shown in the departmental publication, "Index of Stream Gaging Stations in and Adjacent to California", 1966.

TABLE B-1
SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1967 WATER YEAR											
	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.
TOTAL												
CITY OF VALLEJO FROM CACHE SLOUGH												
Total acre-feet	1,189	673	81	246	386	393	577	1,220	1,269	1,641	1,615	1,477
Average cubic feet per second	19	11	1	4	7	6	10	20	21	27	26	25
Monthly quantities in percent of seasonal	11.0	6.3	0.8	2.3	3.6	3.6	5.4	11.3	11.8	15.2	15.0	13.7
CONTRA COSTA CANAL *												
Total acre-feet	7,860	6,059	4,703	4,986	4,439	3,941	3,579	5,770	6,382	8,075	8,261	7,664
Average cubic feet per second	128	102	76	81	80	64	60	94	107	131	134	128
Monthly quantities in percent of seasonal	11.0	8.4	6.6	6.9	6.2	5.5	5.0	8.0	8.9	11.3	11.5	10.7
HETCH HETCHY AQUEDUCT												
Total acre-feet	20,955	20,424	17,445	15,507	7,462	15,594	11,433	18,962	18,646	20,944	20,939	20,121
Average cubic feet per second	341	343	284	252	134	254	192	308	313	341	341	338
Monthly quantities in percent of seasonal	10.1	9.8	8.4	7.4	3.6	7.5	5.5	9.1	8.9	10.0	10.0	9.7
MOSELUNNE RIVER AQUEDUCT												
Total acre-feet	16,824	16,457	17,530	16,793	13,923	16,283	14,053	16,550	16,516	18,204	17,986	17,286
Average cubic feet per second	274	277	285	273	251	265	236	269	278	296	292	290
Monthly quantities in percent of seasonal	8.5	8.3	8.8	8.5	7.0	8.2	7.1	8.3	8.3	9.2	9.1	8.7
POTTER VALLEY POWERHOUSE FROM EEL RIVER												
Total acre-feet	19,420	17,480	18,910	18,910	16,960	17,900	18,110	18,800	17,930	18,750	18,980	18,700
Average cubic feet per second	316	294	308	308	305	291	304	306	301	305	309	314
Monthly quantities in percent of seasonal	8.8	7.9	8.6	8.6	7.6	8.1	8.2	8.5	8.1	8.5	8.6	8.5
PUTAH SOUTH CANAL **												
Total acre-feet	27,593	4,911	827	1,240	482	1,396	841	11,629	18,371	32,412	30,486	19,021
Average cubic feet per second	449	83	13	20	9	23	14	189	309	527	496	320
Monthly quantities in percent of seasonal	18.5	3.3	0.6	0.8	0.3	0.9	0.6	7.8	12.3	21.7	20.4	12.8
SOUTH BAY AQUEDUCT												
Total acre-feet	6,159	5,098	4,286	5,466	551	2,907	777	2,250	5,850	7,257	7,663	7,054
Average cubic feet per second	100	86	70	89	10	47	13	37	98	126	125	119
Monthly quantities in percent of seasonal	11.0	9.1	7.7	9.8	1.0	5.2	1.4	4.0	10.5	13.9	13.7	12.7

* A portion of this water is delivered to the Central Coastal Area by the Contra Costa County Water District.

** A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

TABLE B-2

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	347.33	343.84	355.50	370.20	370.60	370.18	370.39	370.26	368.85	367.20	362.75E	358.45E	1
2	347.20	343.84	356.35	370.20	370.46	370.16	370.33	370.20	368.98	367.06	362.63	358.29	2
3	347.06	343.83	363.25	370.20	370.39	370.17	370.30	370.20	369.23	366.92	362.47	358.17	2
4	346.93	343.81	365.10	370.20	370.37	370.17	370.30	370.20	369.28	366.81	362.31	358.03	4
5	346.80	343.80	370.76	370.20	370.33	370.17	370.33	370.19	369.29	366.70	362.18	357.87	5
6	346.67	343.89	370.65	370.20	370.29	370.17	370.82	370.18	369.30	NR	362.02	357.73	6
7	346.52	343.90	370.45	370.20	370.28	370.17	370.56	370.16	369.29	NR	361.88	357.58	7
8	346.40	343.90	370.36	370.20	370.28	370.17	370.47	370.16	369.25	NR	361.74	357.43	8
9	346.28	343.91	370.34	370.20	370.28	370.16	370.40	370.13	369.20	NR	361.60	357.29	9
10	346.17	343.91	370.45	370.19	370.27	370.16	370.35	370.12	369.19	NR	361.48	357.16	10
11	346.03	343.91	370.39	370.18	370.25	370.21	370.43	370.12	369.12	NR	361.34	357.01	11
12	345.90	343.92	370.37	370.18	370.25	370.22	370.37	370.11	369.08	NR	361.21	356.88	12
13	345.74	343.94	370.33	370.17	370.25	370.28	370.30	370.10	368.99	NR	361.06	356.85	12
14	345.62	343.96	370.32	370.17	370.22	370.29	370.29	370.09	368.90	NR	360.92	356.83	14
15	345.49	344.08	370.30	370.18	370.21	370.28	370.29	370.07	368.82	NR	360.81	356.78	15
16	345.33	344.55	370.30	370.17	370.21	371.10	370.29	370.03	368.74	NR	360.66	356.63	16
17	345.24	344.60	370.28	370.16	370.21	370.57	370.37	370.00	368.65	NR	360.52	356.53	17
18	345.11	344.63	370.28	370.16	370.21	370.45	370.49	369.97	368.55	NR	360.38	356.41	18
19	344.98	344.76	370.27	370.16	370.20	370.39	370.49	369.90	368.47	NR	360.25	356.34	19
20	344.84	347.67	370.26	370.20	370.19	370.33	370.43	369.85	368.37	NR	360.12	356.32	20
21	344.72	349.33	370.26	372.30	370.18	370.32	370.39	369.79	368.27	NR	360.00	356.28	21
22	344.59	351.56	370.25	370.87	370.18	370.30	370.44	369.73	368.16	NR	359.84	356.23	22
23	344.47	352.26	370.25	370.57	370.18	370.31	370.48	369.67	368.03	NR	359.71	356.08	23
24	344.35	352.65	370.25	370.90	370.18	370.29	370.47	369.59	368.00	NR	359.54	355.97	24
25	344.23	352.89	370.25	370.60	370.20	370.28	370.41	369.49	367.95	NR	359.42	355.84	25
26	344.11	353.09	370.21	370.50	370.20	370.28	370.36	369.39	367.80	NR	359.29	355.80	26
27	343.98	353.23	370.21	370.51	370.19	370.27	370.32	369.29	367.70	NR	359.13	355.77	27
28	343.86	353.70E	370.21	370.59	370.18	370.25	370.28	369.20	367.58	NR	359.00	355.74	28
29	343.84	354.30E	370.20	371.17		370.23	370.28	369.12	367.45	NR	358.85	355.71	29
30	343.84	354.80E	370.20	371.29		370.26	370.27	369.01	367.32	NR	358.72E	355.59	30
31	343.84		370.20	370.76		370.47		368.90		NR	358.59E		31

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NE — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-67	1645	372.60	3-16-67	0930	371.14						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38-26.4	122-20.6	SE19 7N 4W					5/48 - Date	5/48		0.00	USCGS

Rector Reservoir is located on Rector Creek about three miles northeast of Yountville. Gaging station is located on the outlet tower of the reservoir. Elevation of reservoir floor is 250 feet. Spillway elevation is 370 feet.

TABLE 8-3
DAILY MAXIMUM AND MINIMUM TIDES
SACRAMENTO RIVER AT COLLINSVILLE

19 1961

STATION NO. 891110
WATER YEAR 1967

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	15.72 12.41	15.86 13.37	16.80 11.68	15.11 11.50	17.17 13.77	16.05 11.91	15.86 11.68	15.99 11.56	15.83 12.50	16.22 13.00	NR	15.07 11.60	1
2	15.62 12.29	15.96 11.39	17.12 11.90	15.07 11.14	17.02 13.58	16.11 11.70	15.55 11.56	14.88 11.80	14.63 12.82	16.31 12.68	NR	16.46 11.48	2
3	15.97 13.14	16.26 11.46	16.10 12.47	15.13 11.17	16.90 13.19	16.19 11.80	15.37 11.53	15.32 12.03	15.93 12.85	16.30 12.69	NR	16.40 11.52	3
4	15.84 12.17	15.95 11.64	16.12 11.91	15.44 11.58	16.76 12.85	16.00 11.59	15.90 11.79	15.52 12.44	15.27 12.58	16.95 12.01	NR	15.24 11.62	4
5	15.86 11.92	15.79 11.67	16.41 11.73	16.14 11.73	15.77 12.60	15.78 11.25	15.95 11.80	15.73 12.51	15.57 12.40	16.78 12.02	NR	16.16 11.80	5
6	15.93 11.79	15.76 11.94	16.68 12.63	16.01 11.30	16.58 12.30	15.59 11.12	15.64 12.08	15.62 12.32	16.36 11.87	16.90 11.93	NR	16.82 11.95	6
7	15.53 11.71	15.47 11.69	16.71 12.78	15.68 11.48	16.66 12.52	15.71 11.30	15.65 11.82	15.62 12.02	16.45 11.81	16.25 11.85	NR	16.63 11.65	7
8	15.46 11.28	15.45 11.84	16.55 12.96	16.77 11.18	16.40 12.08	15.76 11.46	15.72 12.45	15.78 11.97	16.66 11.84	16.05 11.78	NR	16.51 11.87	8
9	15.58 11.23	15.45 11.88	16.91 12.40	16.18 11.13	16.33 12.06	16.05 11.95	15.72 12.31	16.36 12.12	16.86 11.95	16.82 11.72	NR	16.23 12.07	9
10	16.01 11.43	15.82 11.94	17.02 12.10	16.67 11.68	16.06 12.05	16.08 11.30	15.87 11.97	16.90 11.83	16.73 11.63	16.45 11.82	NR	16.08 11.70	10
11	15.52 12.09	16.19 11.88	16.88 11.88	16.13 11.28	15.64 11.94	15.81 12.01	16.22 12.31	16.25 11.65	16.60 11.82	16.14 11.45	NR	16.09 11.75	11
12	15.86 12.03	16.31 11.64	16.87 11.88	16.08 11.42	15.42 12.26	16.05 12.55	16.10 12.10	16.05 11.48	16.61 12.06	15.79 11.63	NR	16.20 12.16	12
13	15.29 11.45	16.42 11.65	16.92 12.00	15.71 11.39	15.63 12.50	15.83 11.80	15.94 11.31	15.84 11.76	16.01 11.82	15.23 11.62	NR	16.39 11.70	13
14	15.43 11.33	16.50 11.84	16.50 14.07	15.16 11.36	15.87 12.95	15.78 12.34	15.84 11.76	15.65 11.27	15.75 11.85	16.20 12.23	NR	16.06 11.79	14
15	15.85 11.43	15.83 13.65	15.83 11.77	14.75 11.28	15.13 12.34	15.80 12.19	15.89 11.88	15.46 11.26	16.15 12.06	16.62 12.52	NR	16.78 11.86	15
16	15.85 11.32	16.12 12.02	15.44 11.40	14.84 11.35	15.10 12.31	16.25 12.49	15.33 11.53	15.33 11.40	16.53 12.52	16.92 11.37	NR	16.23 11.88	16
17	15.83 12.69	15.80 11.57	14.96 11.45	14.90 11.45	15.05 12.09	15.68 12.17	15.48 12.06	15.47 11.57	17.01 12.56	17.00 12.12	NR	16.61 11.60	17
18	15.66 11.30	15.24 11.48	14.93 11.44	14.95 11.89	15.45 11.88	15.77 12.34	15.48 11.81	15.84 11.81	17.21 12.78	15.12 11.61	NR	16.54 11.51	18
19	15.63 11.19	15.42 11.46	14.93 11.53	15.12 11.86	15.81 11.69	15.68 12.19	15.59 11.79	16.17 12.06	15.35 11.55	16.87 11.78	NR	16.50 11.78	19
20	15.63 11.39	15.63 12.21	15.34 11.90	15.68 12.33	15.71 11.25	15.68 12.04	15.58 11.88	15.39 12.40	17.22 12.08	16.77 11.45	NR	16.52 11.97	20
21	14.93 11.62	15.45 12.10	15.50 12.26	17.33 13.31	15.95 11.20	15.78 11.74	16.01 12.28	16.59 12.32	17.30 11.96	16.84 11.61	NR	16.35 11.96	21
22	14.70 11.15	15.10 12.52	15.33 11.76	16.95 11.26	16.15 11.58	16.01 12.49	16.20 12.08	16.83 11.84	17.12 12.48	NR	NR	16.07 12.15	22
23	14.60 11.19	15.62 12.15	15.88 11.62	17.11 12.40	16.37 11.50	16.37 11.97	16.45 12.48	17.18 12.13	17.12 11.84	NR	NR	15.73 12.33	23
24	14.76 11.34	15.68 11.85	16.16 11.61	18.10 13.33	16.70 11.86	16.21 11.85	16.82 12.38	17.32 12.08	17.03 12.01	NR	NR	15.66 12.39	24
25	15.08 11.67	15.74 11.66	16.30 11.49	17.87 12.60	16.29 11.70	16.11 12.00	16.93 12.14	17.27 12.17	16.82 12.06	NR	NR	15.80 12.62	25
26	15.84 12.00	15.91 11.94	16.82 11.39	17.41 12.53	16.77 11.64	16.03 12.12	16.86 11.95	17.23 11.58	16.35 11.03	NR	NR	15.73 12.51	26
27	15.41 10.09	15.92 11.32	16.28 11.15	17.20 12.45	15.55 11.67	16.17 12.04	17.01 12.01	16.80 11.98	15.76 11.87	NR	NR	15.89 12.35	27
28	15.47 11.80	16.19 11.70	16.19 11.03	17.09 14.02	15.72 11.90	16.45 12.14	16.67 11.91	16.41 11.97	15.73 12.07	NR	NR	15.97 12.14	28
29	15.33 11.38	16.42 11.29	16.33 11.45	16.79 12.45	16.79 11.81	16.67 11.81	16.80 11.91	15.89 12.57	15.89 11.80	NR	NR	15.87 11.80	29
30	15.41 11.30	16.46 13.73	16.16 13.46	16.83 12.74	16.32 11.74	15.53 11.50	15.81 12.04	16.06 12.95	NR	NR	NR	16.24 11.55	30
31	15.63 11.38		15.71 11.31	17.45 13.92	16.57 11.91		15.72 12.43		NR	NR	NR	16.36 11.69	31
MAXIMUM	16.01	16.50	17.12	18.10	17.17	16.67	17.01	17.32	17.30	NR	NR	16.46	MAXIMUM
MINIMUM	11.18	11.32	11.03	11.08	11.20	11.12	11.48	11.26	11.76	NR	NR	11.41	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUS OF GAGE		
LATITUDE	LONGITUDE	1:1 SEC T & R M D S M	OF RECORD			DISCHARGE	GAGE HEIGHT	DATE	PERIOD	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE						
38 04 25	121 51 18	SWRT 2N 1E		9.2	4/6/58				JUNE 29-DATE 1929	0.00 -3.05	USC&S USC&S
Station located 0.4 mi. SW of Collinsville, 5.3 mi. NE of Pittsburg. Maximum gage height does not indicate maximum discharge.											

TABLE B-3
DAILY MAXIMUM AND MINIMUM TIDES
SOUTH BAY AT BENICIA

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	DATE
1	13.04 8.48	13.43 7.43	13.99 7.54	12.49 6.91	13.04 8.81	13.48 7.68	13.05 7.14	12.16 -1.42	12.04 5.48	12.84 5.23	13.60 7.66	1.43 7.46		
2	13.24 8.46	13.19 7.51	13.32 8.13	12.51 7.21	13.78 8.42	13.42 7.53	12.63 7.44	12.20 -1.77	12.97 9.33	13.34 8.54	13.73 7.64	13.72 7.27		
3	13.46 8.23	13.34 7.77	13.26 7.54	12.62 6.30	13.70 8.30	13.38 7.66	12.51 7.37	12.54 -2.00	13.24 8.50	13.68 7.98	13.93 7.50	12.41 7.21		
4	13.07 7.98	13.07 11.02	13.32 11.10	12.95 7.93	13.61 7.40	13.17 7.27	12.67 7.22	12.70 8.59	13.40 8.40	13.84 7.61	14.05 7.34	13.61 7.33		
5	12.94 7.86	12.79 7.70	13.60 8.84	13.51 7.74	13.74 7.47	12.97 7.00	12.83 7.61	12.76 8.72	13.84 7.84	14.04 7.36	12.42 7.24	13.57 7.63		
6	12.84 10.72	13.00 7.49	13.87 8.57	13.42 7.30	13.66 8.00	12.83 6.77	12.83 7.06	12.71 8.11	13.51 7.22	14.10 7.19	14.10 7.40	13.28 7.90		
7	12.71 7.86	12.70 7.88	13.88 8.55	13.40 8.09	13.78 8.80	12.97 7.00	12.64 8.00	12.90 7.66	13.78 8.08	14.13 6.99	13.80 7.32	13.55 8.17		
8	12.70 7.42	12.89 7.89	13.84 7.76	13.60 6.77	13.61 8.03	13.08 7.23	12.94 8.31	12.12 7.62	12.46 6.97	14.13 6.94	13.80 7.62	13.55 7.90		
9	12.91 7.14	13.03 7.99	14.03 8.36	13.61 6.69	13.54 8.46	13.36 7.72	12.90 8.03	13.34 7.52	13.96 7.00	14.03 6.95	13.80 7.88	13.61 9.41		
10	13.36 7.47	13.38 7.99	14.10 7.02	13.68 6.71	13.23 7.22	13.55 8.40	13.05 7.96	13.66 7.19	14.36 6.62	14.30 6.92	13.80 8.17	13.68 7.43		
11	13.17 7.87	13.18 7.66	14.13 6.70	13.60 6.99	12.86 7.35	13.35 7.35	13.42 7.93	13.28 8.63	13.99 6.99	13.31 6.88	13.44 6.55	13.31 7.76		
12	12.86 7.94	13.86 7.34	14.07 6.76	13.51 7.15	12.63 8.12	13.38 8.61	13.24 7.52	13.20 7.36	13.69 7.28	13.93 6.32	13.46 6.32	13.80 7.44		
13	12.63 7.36	13.99 7.25	14.13 6.99	13.08 7.24	12.82 8.90	13.19 8.81	13.06 7.43	12.95 8.67	13.16 7.23	13.28 7.79	13.58 8.03	13.63 7.43		
14	12.70 7.23	14.01 7.34	13.64 6.91	12.46 7.35	12.90 8.78	13.10 8.50	13.02 7.38	12.72 8.06	12.46 6.96	14.13 6.95	13.80 7.82	13.55 7.62		
15	13.53 7.24	13.86 7.89	13.08 6.70	12.18 7.52	12.23 9.04	13.04 8.26	13.05 7.37	12.61 8.06	13.27 7.56	13.93 6.95	13.73 7.67	13.38 7.60		
16	13.53 7.15	13.39 7.47	12.69 7.10	12.26 8.00	12.19 8.76	13.75 8.03	12.46 7.53	12.50 8.35	13.68 7.68	14.17 8.14	13.70 7.28	12.71 7.48		
17	13.30 7.14	13.07 7.50	12.22 7.34	12.29 7.45	12.38 8.69	12.83 8.26	12.64 8.20	12.56 7.51	14.10 8.12	14.30 7.74	13.77 7.26	13.28 7.80		
18	13.00 7.17	12.52 10.70	12.15 7.34	12.30 8.06	12.56 8.15	12.80 8.36	12.73 7.83	12.92 7.05	14.30 8.13	14.13 7.35	12.36 7.24	13.04 7.97		
19	12.87 10.34	12.77 7.65	12.14 5.90	12.44 8.54	12.98 7.62	12.71 8.17	12.75 7.42	12.75 7.87	14.30 -1.40	14.00 6.90	13.72 -1.40	13.01 6.47		
20	12.64 7.53	12.95 8.74	12.53 8.55	13.26 8.95	13.01 8.83	12.74 8.75	13.15 7.43	13.73 8.23	14.00 7.43	14.13 6.70	13.65 7.64	13.16 8.74		
21	12.12 7.73	12.76 8.52	12.65 8.70	14.49 8.52	13.19 8.52	12.87 7.64	13.53 7.64	14.06 7.64	14.00 7.64	14.13 6.90	13.44 7.57	13.40 5.78		
22	11.91 7.33	12.75 8.34	12.68 8.01	13.81 8.87	13.51 8.49	13.17 8.91	13.13 8.02	14.36 7.11	14.00 7.09	14.12 6.22	13.23 6.45	13.40 5.45		
23	12.10 7.44	12.84 8.20	13.15 7.63	14.14 7.57	13.86 7.71	13.50 6.95	13.86 7.74	14.07 7.01	14.13 6.32	14.13 7.13	12.86 6.32	13.26 8.50		
24	12.27 7.64	12.95 7.79	13.36 7.79	14.14 6.18	14.19 7.20	13.68 7.00	14.21 7.32	14.43 7.05	14.00 7.05	14.13 7.28	12.90 6.62	13.20 6.40		
25	12.50 8.00	13.08 7.52	13.68 7.26	14.57 7.14	13.78 6.99	13.40 7.23	14.27 6.75	14.43 6.75	13.80 7.22	13.80 7.54	12.57 6.94	13.14 11.30		
26	12.52 8.26	13.28 7.30	13.71 6.94	14.54 7.06	13.19 7.16	13.41 7.51	14.15 6.57	14.25 6.66	13.68 7.24	12.86 7.83	12.82 9.78	13.14 8.45		
27	12.75 8.26	13.29 7.13	13.62 6.68	14.39 7.13	13.09 7.47	13.63 7.36	14.26 6.83	14.87 6.77	12.82 7.61	12.90 8.50	12.86 8.72	12.97 8.27		
28	12.87 7.99	13.62 7.53	13.85 6.83	14.29 7.71	13.25 7.71	13.89 7.42	13.80 7.42	13.40 8.36	12.82 7.10	12.84 9.23	12.92 8.40	13.14 7.97		
29	12.80 7.48	13.67 7.13	13.73 6.71	13.98 7.68		13.92 7.03	13.27 6.83	12.86 7.50	12.97 9.14	12.84 8.14	12.94 8.10	13.24 7.02		
30	12.83 7.33	13.71 7.24	13.59 6.86	13.75 9.07		13.60 7.10	12.62 7.01	12.69 7.98	13.10 9.14	13.10 8.71	13.21 7.76	13.37 7.76		
31	13.06 7.37		12.98 6.59	14.38 9.10		13.72 7.31		12.70 8.56		13.29 8.40	13.47 7.68			
MAXIMUM	13.53	14.01	14.32	15.14	14.19	13.92	14.27	14.43	NR	14.30	14.16	13.72	MAXIMUM	
MINIMUM	7.14	7.13	6.43	6.69	6.49	6.77	6.57	6.65	NR	6.70	7.24	7.25	MINIMUM	

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DURATION OF GAGE			
LATITUDE	LONGITUDE	1 SEC T & R W 0.5 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
30° 00' 00" N	100° 00' 00" W										30
SEE NOTE 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 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2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 219											

TABLE B-4

CORRECTIONS AND REVISIONS TO PREVIOUSLY-PUBLISHED REPORTS OF SURFACE WATER DATA

1924 TO DATE

Report		Location of Error or Revision		Change or Revision	
	Page	Name	Item	From	To
Bull. No. 23-62	394	Suisun Bay at Benicia Arsenal	Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive. Maximum for March 1962	Published values 16.72	2.00 ft. lower than published values. 14.72
Bull. No. 130-63 130-64	B-7 48	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record Date of Maximum Gage Height of Record	6.72 3-5-62	5.7 4-6-58
Bull. No. 130-64	52	City of Vallejo from Cache Slough	Total acre-feet Average cubic feet per second Monthly quantities in percent of seasonal	Published values	Values published in Bulletin No. 130-66 Table B-2.
Bull. No. 130-63 through 130-66		Suisun Bay at Benicia Arsenal *	Station location: Longitude	122° 08' 44"	122° 08' 13"

*Changes not previously reported.

Appendix C
GROUND WATER MEASUREMENT

INTRODUCTION

Data in this appendix include ground water level measurements from 366 wells for the period from October 1, 1966, through September 30, 1967. Tables which summarize the measurements and corrections of previously published reports are also included. Wells were selected to reflect the ground water conditions of the area. Well networks are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

There are 31 ground water basins or areas in the Central Coastal area for which data are reported.

Processing the Data

Two numbering systems are combined by the Department to facilitate processing of water level measurement data: The region and Basin Designation and the State Well Numbering System.

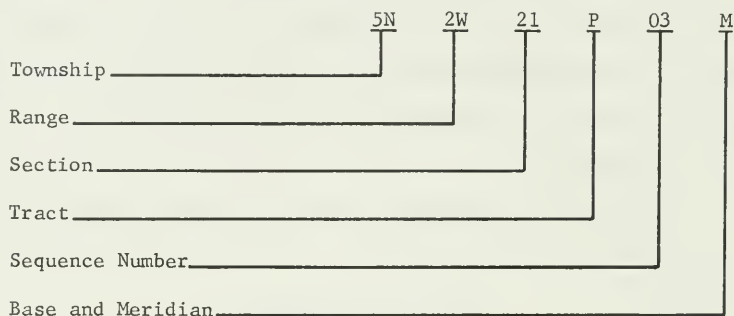
Region and Basin Designation

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of Northern California covered by this report comprises the southern portion of North Coastal Region No. 1, the northern portion of Central Coastal Region No. 3, and all of San Francisco Bay Region No. 2. A decimal system in the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

	<u>1</u>	-	<u>18.01</u>
Region (North Coastal Region)	_____		
Ground Water Basin (Santa Rosa Valley)	_____		
Subarea (Santa Rosa Area)	_____		

State Well Numbering System

The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 5 North, Range 2 West, Tract P of Section 21, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

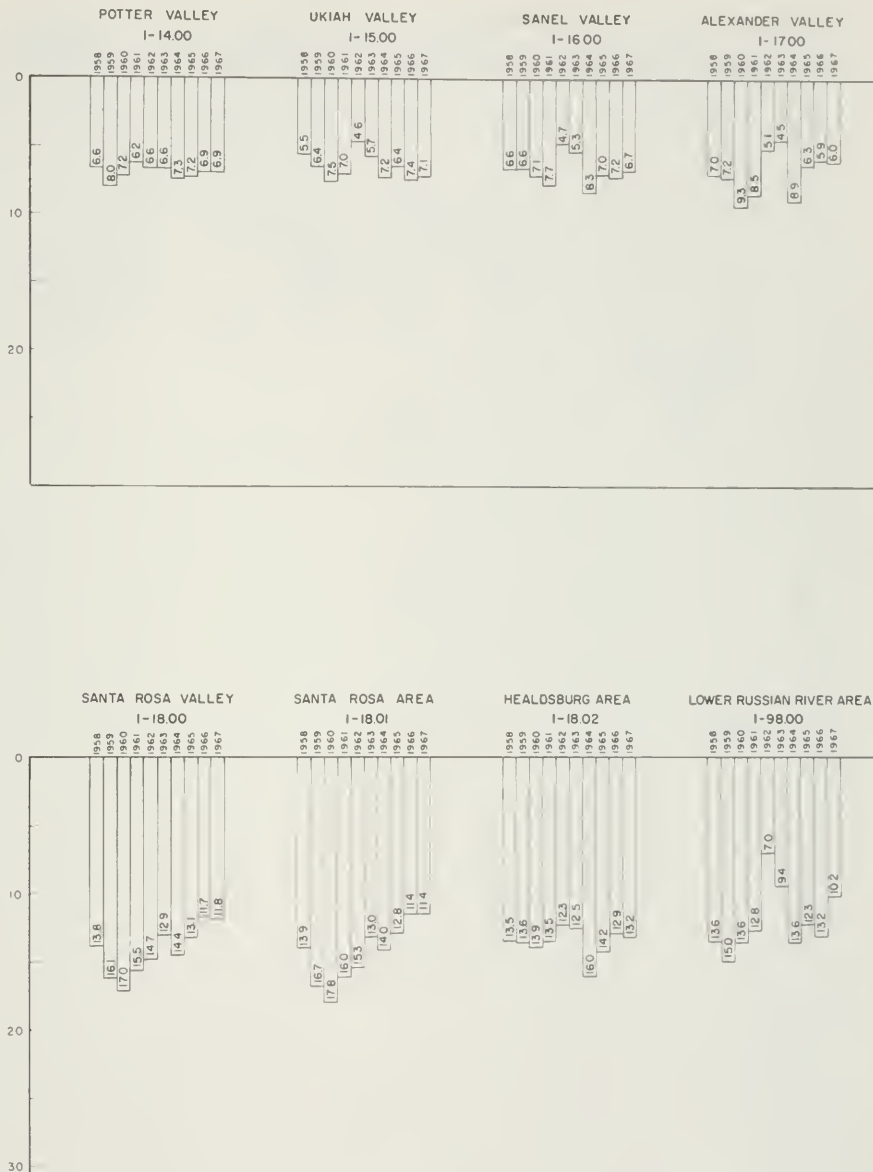
D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the third well to be assigned a number in Tract P.

FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 1 OF 8

AVERAGE DEPTH TO WATER IN FEET



SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 2 OF 8

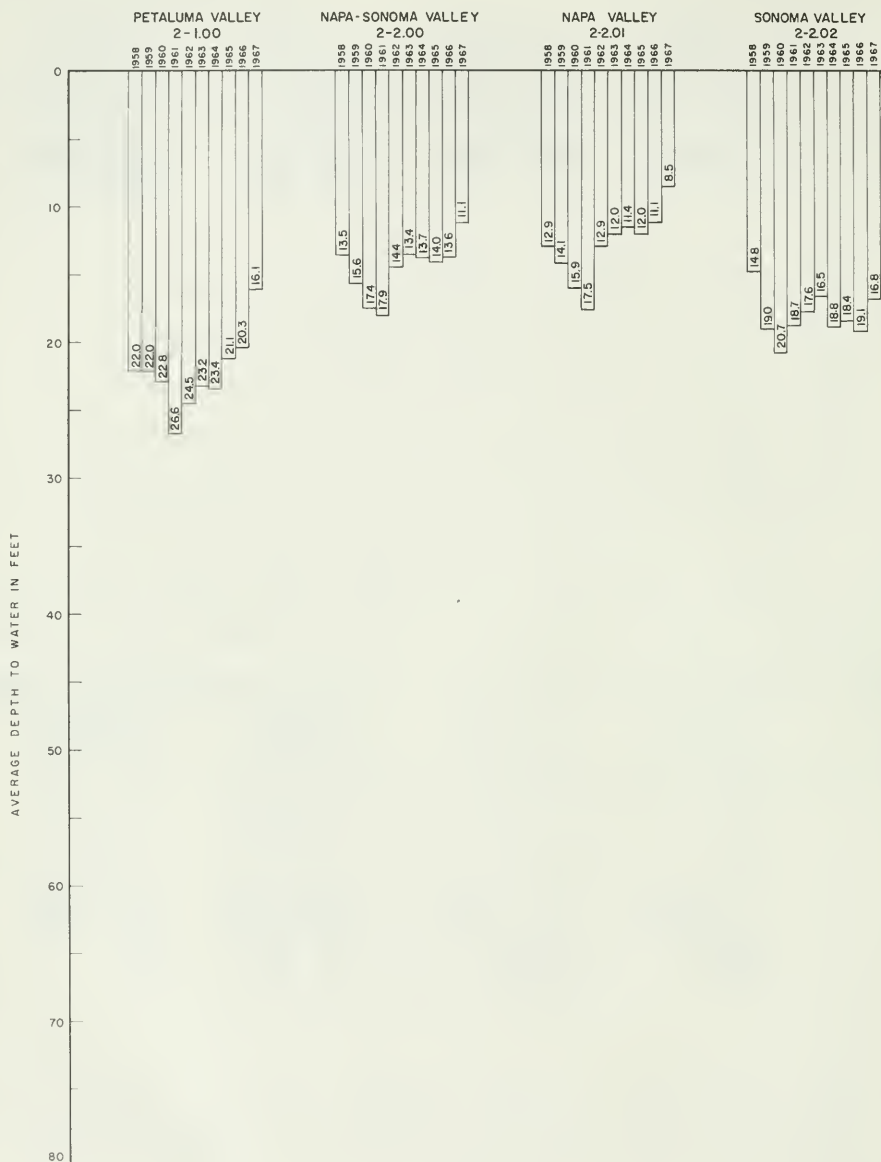
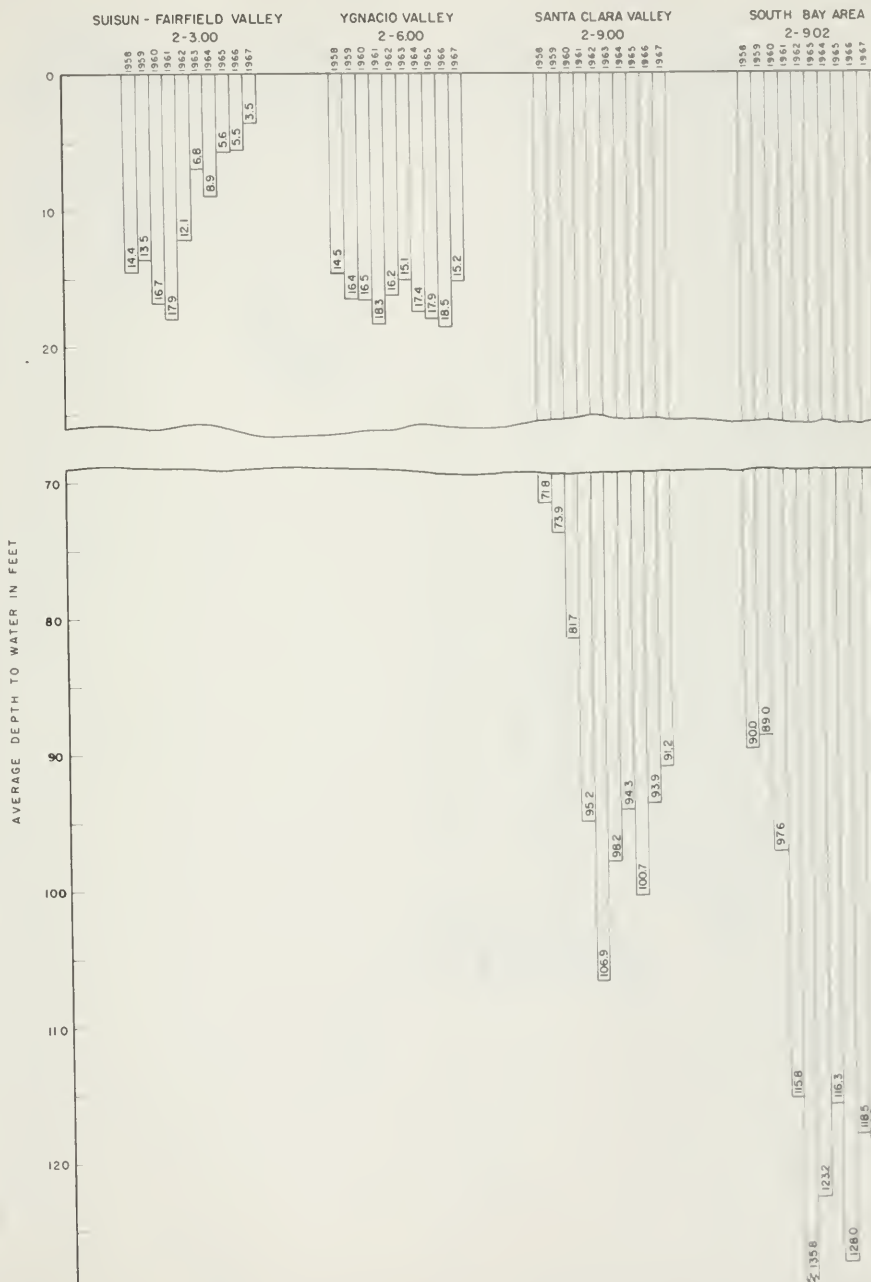


FIGURE C-1 SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 3 OF 8



SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 4 OF 8

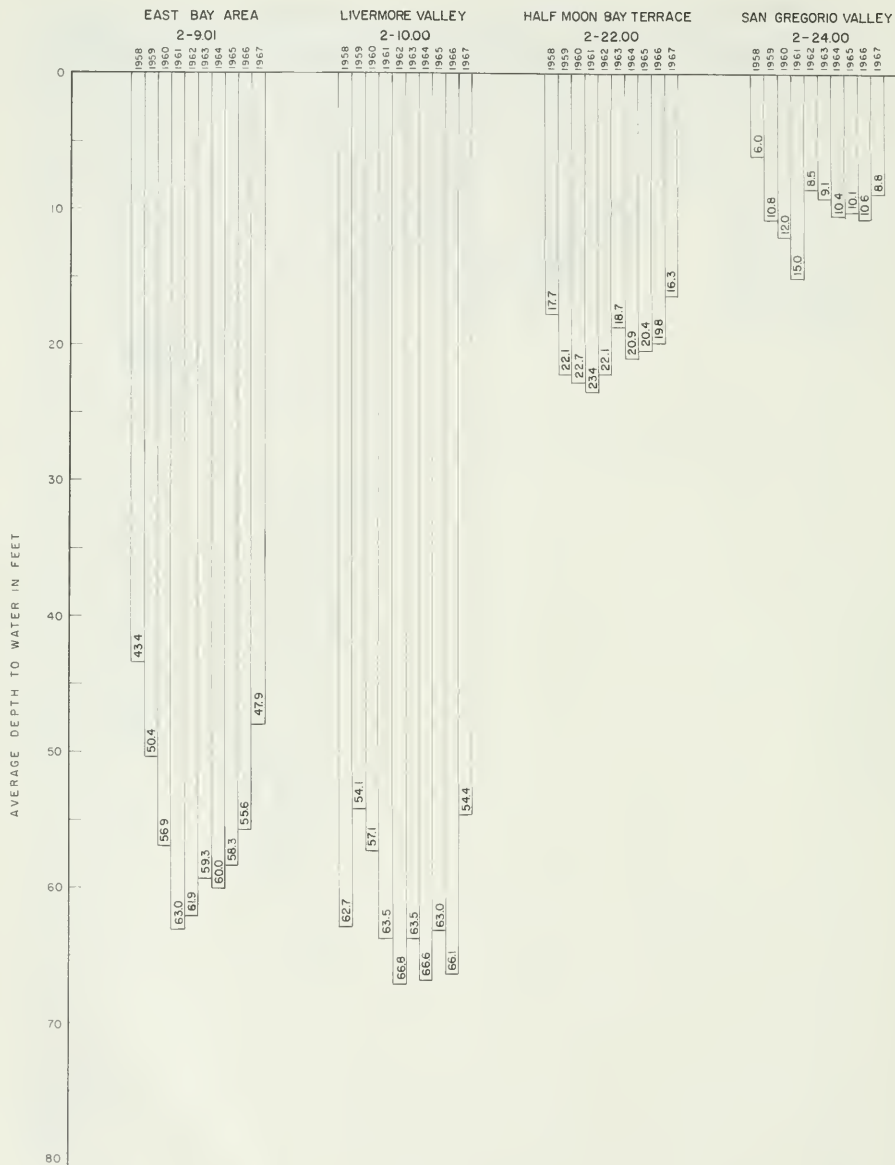


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 5 OF 8

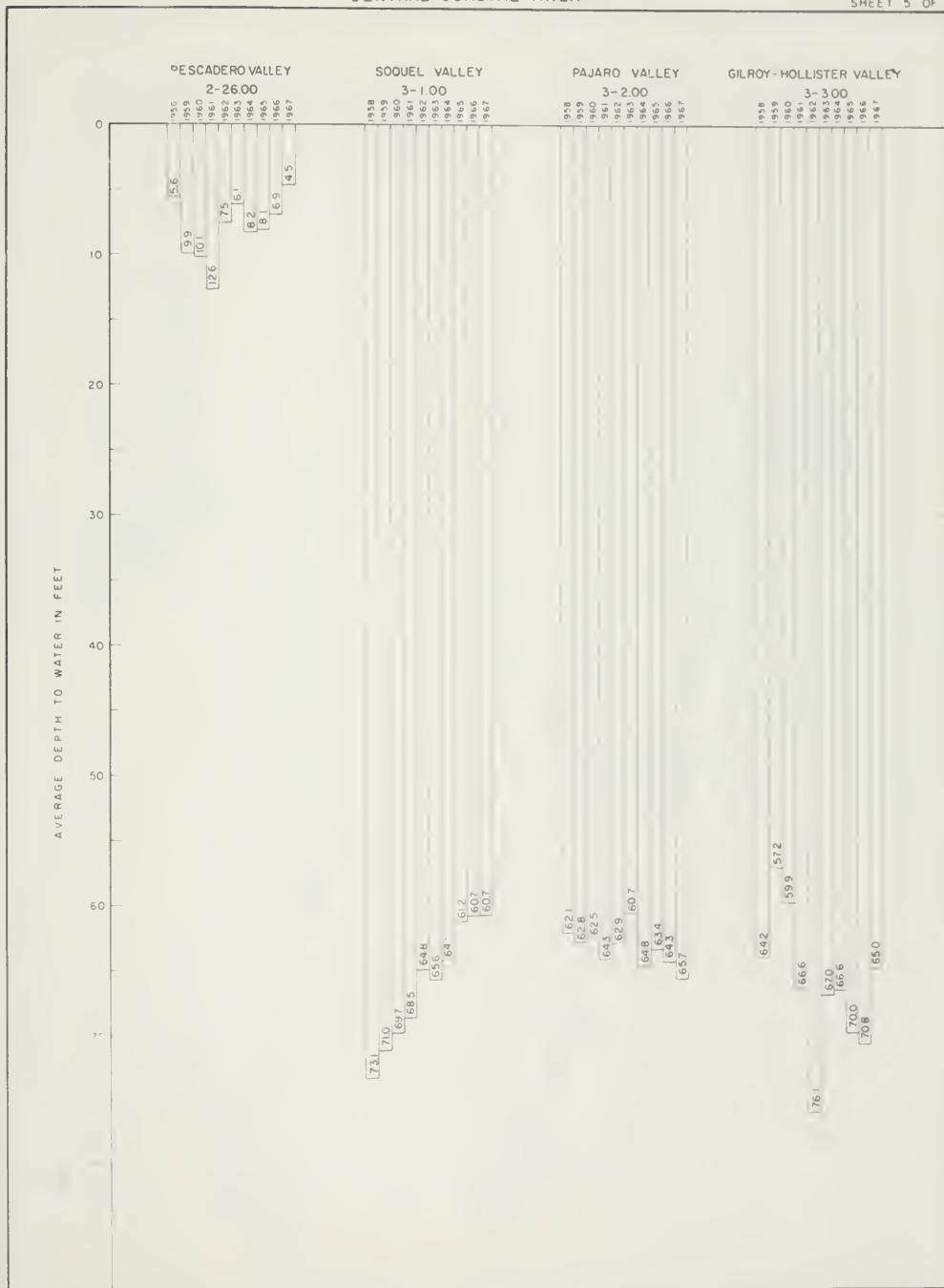


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 6 OF 8

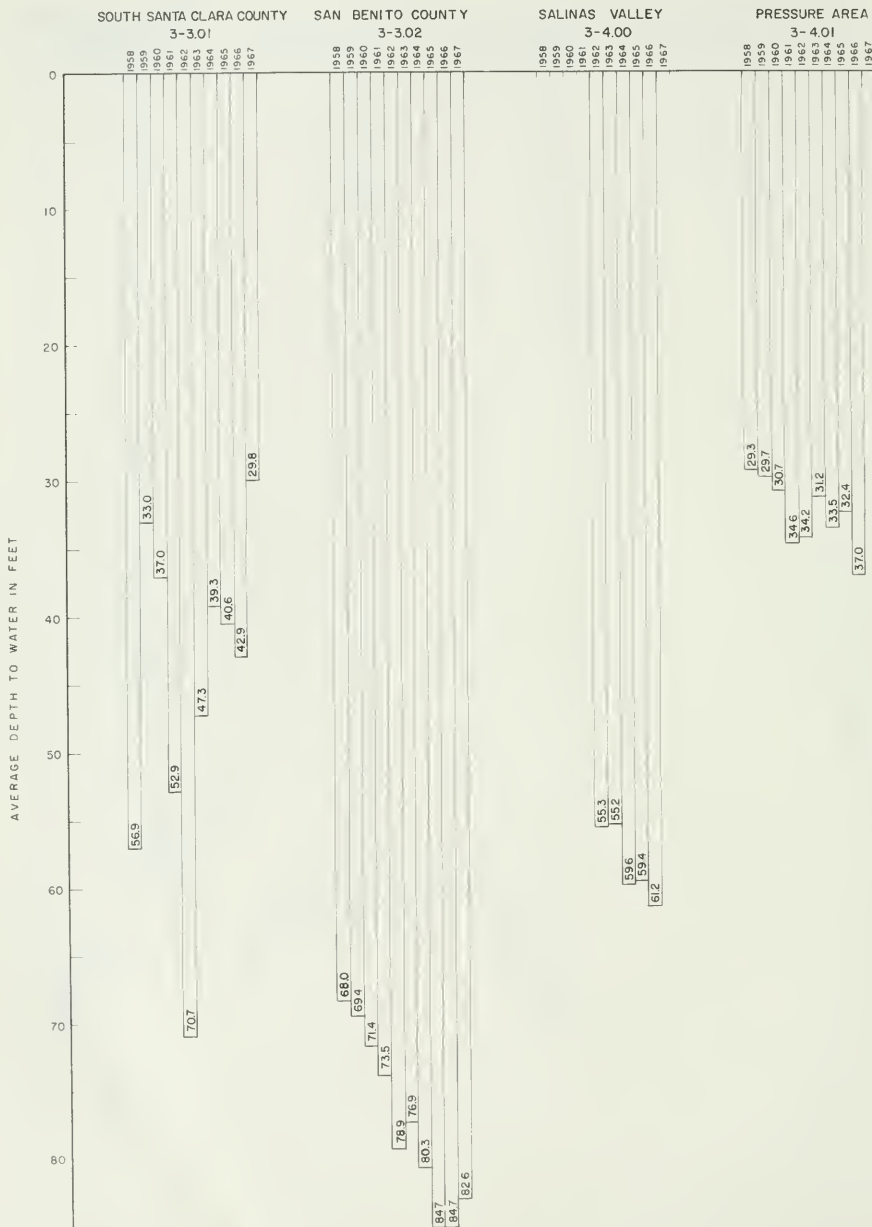


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 7 OF 8

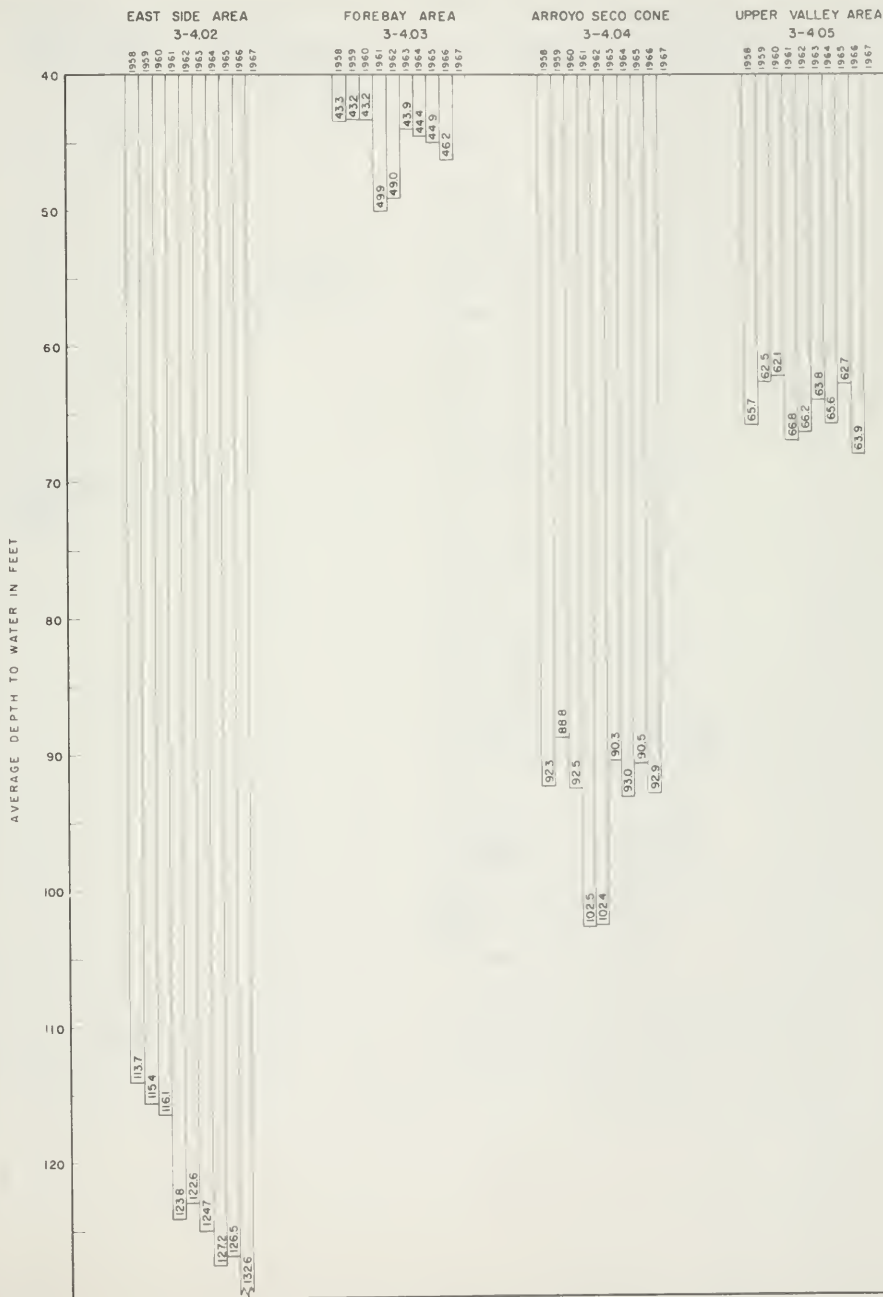


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 8 OF 8

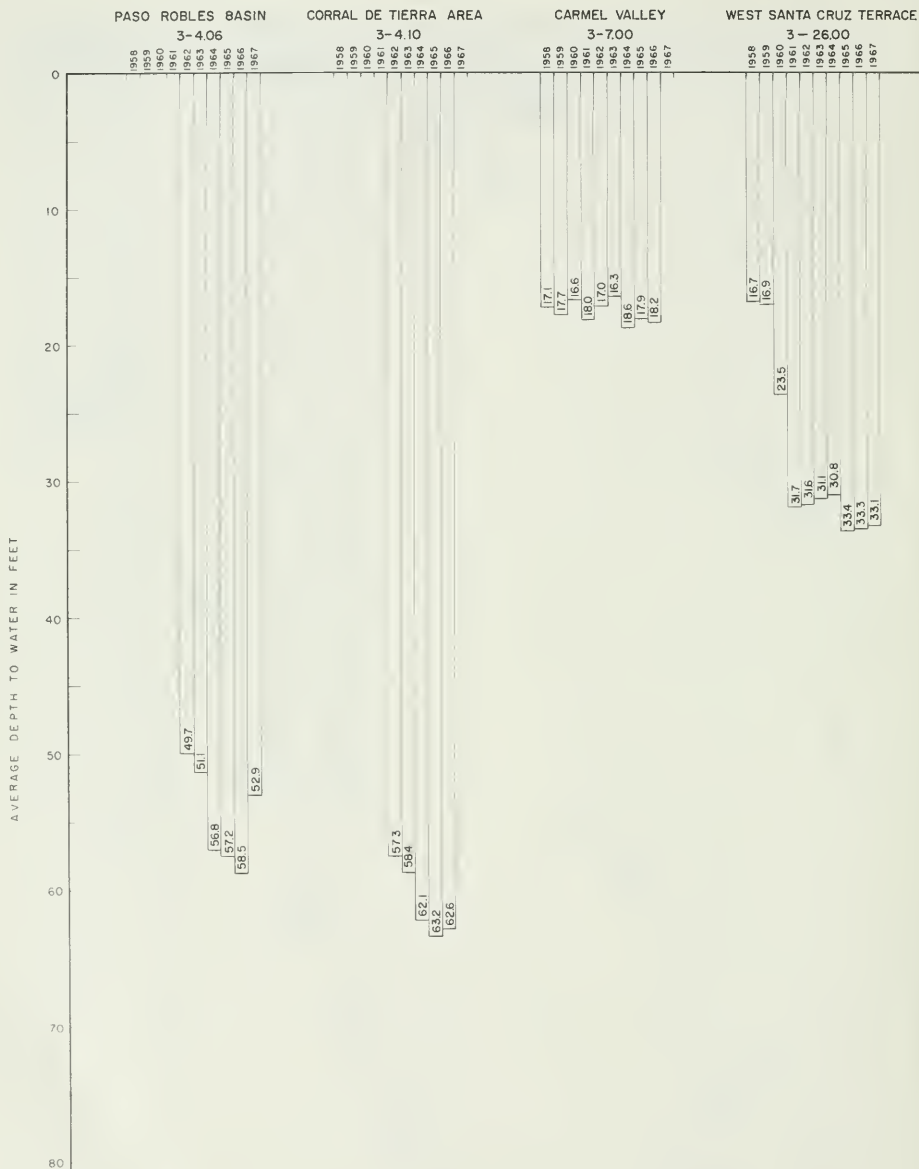


TABLE C-1
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED
CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
NORTH COASTAL REGION						
Potter Valley	1-14.00	0.0	Department of Water Resources			2
Ukiah Valley	1-15.00	+0.3	Department of Water Resources			2
Sanel Valley	1-16.00	+0.5	Department of Water Resources			3
Alexander Valley	1-17.00	-0.1	Department of Water Resources			6
Santa Rosa Valley	1-18.00	-0.1				
Santa Rosa Area	1-18.01	0.0	Department of Water Resources			10
Healdsburg Area	1-18.02	-0.3	U. S. Geological Survey	0		
Lower Russian River Valley	1-98.00	+3.0	Department of Water Resources			3
SAN FRANCISCO BAY REGION						
Petaluma Valley	2-01.00	+4.2	Department of Water Resources	3		3
Napa-Sonoma Valley	2-02.00	+2.5				
Napa Valley	2-02.01	+2.6	Napa County Department of Water Resources	5		113
Sonoma Valley	2-02.02	+2.3	Department of Water Resources	4		1
Swissun-Fairfield Valley	2-03.00	+2.0	Solano County Department of Water Resources	7	15	15
Ygnacio Valley	2-06.00	+3.3	Department of Water Resources	4		1
Santa Clara Valley	2-09.00	+2.7				
East Bay Area	2-09.01	+7.7	Alameda County FC&WCD Alameda County Water District	3 5	44 384	41 384
South Bay Area	2-09.02	-0.5	Santa Clara Valley WCD U. S. Geological Survey	234 3		
Livermore Valley	2-10.00	+11.7	Alameda County FC&WCD	12	133	130
Half Moon Bay Terrace	2-22.00	+3.5	Department of Water Resources	4		4
San Gregorio Valley	2-24.00	+1.8	Department of Water Resources	2		3
Pescadero Valley	2-26.00	+2.4	Department of Water Resources	3		3

TABLE C-1
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED
CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
CENTRAL COASTAL REGION						
Soquel Valley	3-01.00	0.0	Santa Cruz County Department of Water Resources	3	4	7
Pajaro Valley	3-02.00	-1.4	City of Watsonville Monterey County FC&WCD Santa Cruz County Department of Water Resources	4 6	38 59	9 58 4
Gilroy-Hollister Valley	3-03.00	+5.8				
South Santa Clara County	3-03.01	+13.1	City of Gilroy Santa Clara Valley WCD South Santa Clara Valley WCD Department of Water Resources	5 16 5	21	22 17
San Benito County	3-03.02	+2.1	Pacheco Pass Water District U. S. Geological Survey Department of Water Resources	5	26	76 2
Salinas Valley	3-04.00	*				
Pressure Area	3-04.01	*	Monterey County FC&WCD	25	170	
East Side Area	3-04.02	*	Monterey County FC&WCD	16	101	
Forebay Area	3-04.03	*	Monterey County FC&WCD	11	57	
Arroyo Seco Cone	3-04.04	*	Monterey County FC&WCD	5	21	
Upper Valley Area	3-04.05	*	Monterey County FC&WCD	11	44	
Paso Robles Basin	3-04.06	+5.6	San Luis Obispo County FC&WCD		96	79
Seaside Area	3-04.08	*	Monterey County FC&WCD Post Engineer, Fort Ord	2	18	
Langley Area	3-04.09	*	Monterey County FC&WCD		14	
Corral de Tierra Area	3-04.10	*	Monterey County FC&WCD	4	25	
Carmel Valley	3-07.00	*	Monterey County FC&WCD	4	31	
West Santa Cruz Terrace	3-26.00	+0.2	Santa Cruz County		6	6
TOTAL				420	1307	1004
* Insufficient Data to Compute Change						

Ground Water Levels at Wells

Following is an explanation of the column headings and the code symbols used in the tables showing ground water levels at wells:

State Well Number - See Appendix C, Introduction.

Ground Surface Elevation - These numbers indicate the elevation in feet above mean sea level (USC&GS datum) of the ground surface at the well. Elevations of ground surface are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown in the column is the date when the depth measurement given in the next column was made. If the day of the month is unknown, it is indicated by 00.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well. Certain depth measurements in the column may be preceded by a number in parenthesis to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

- | | |
|---------------------------|--|
| (0) Caved or deepened | (5) Air or pressure gage measurement |
| (1) Pumping | (6) Other |
| (2) Nearby pump operating | (7) Recharge operation at or near well |
| (3) Casing leaking or wet | (8) Oil in casing |
| (4) Pumped recently | |

When a measurement was attempted but could not be obtained, then only a number in parenthesis is shown in the column. The code applicable to these "no measurements" is as follows:

- | | |
|-------------------------------|------------------------------|
| (0) Measurements discontinued | (5) Unable to locate well |
| (1) Pumping | (6) Well has been destroyed |
| (2) Pumphouse locked | (7) Special |
| (3) Tape hung up | (8) Casing leaking or wet |
| (4) Cannot get tape in casing | (9) Temporarily inaccessible |

The words FLOW and DRY are shown in this column to indicate a flowing or a dry well. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USC&GS datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

Agency Code

Agency

North Coastal Region (No. 1)

5000	U. S. Geological Survey
5050	Department of Water Resources

San Francisco Bay Region (No. 2)

2400	Santa Clara Valley Water Conservation District
5000	U. S. Geological Survey
5050	Department of Water Resources
5100	Alameda County Flood Control and Water Conservation District
5101	Napa County
5109	Solano County
5401	Alameda County Water District

Central Coastal Region (No. 3)

2100	Monterey County Flood Control and Water Conservation District
2400	Santa Clara Valley Water Conservation District
5050	Department of Water Resources
5005	Post Engineer, Fort Ord
5101	San Benito County
5102	Santa Cruz County
5117	San Luis Obispo County Flood Control and Water Conservation District
5200	Gilroy, City of
5400	South Santa Clara Valley Water Conservation District

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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NORTH COASTAL REGION (No. 1)

POTTER VALLEY 1-14.00

17W/11W-18V01 M	955.0	3-22-67	-0.8	955.8	5050
17W/11W-32V01 M	905.0	*3-22-67	0.1	904.9	5050

UCIAH VALLEY 1-15.00

15W/12W-08V01 M	640.0	3-22-67	16.3	623.7	5050
15W/12W-35V01 M	600.0	3-22-67	2.4	597.6	5050

SANTA VALLEY 1-16.00

13W/11W-18V01 M	490.0	3-22-67	7.6	482.4	5050
13W/11W-19V01 M	488.0	3-22-67	8.2	479.8	5050

ALEXANDRA VALLEY 1-17.00

10W/09W-18V01 M	230.0	3-22-67	12.0	218.0	5050
10W/09W-26V02 M	205.0	3-22-67	0.1	204.9	5050

ALEXANDRA VALLEY 1-17.00

10W/09W-33V01 M	180.0	3-22-67	1.5	178.5	5050
11W/10W-08V01 M	305.0	3-22-67	6.5	298.5	5050

ALEXANDRA VALLEY 1-17.00

11W/10W-17V02 M	292.0	3-22-67	5.3	286.7	5050
11W/10W-19V02 M	346.0	3-22-67	4.6	341.4	5050

SANTA ROSA VALLEY 1-18.00

SANTA ROSA VALLEY 1-18.01

06W/08W-07V02 M	95.0	3-21-67	(8)	80.3	5050
06W/08W-13V01 M	115.0	3-21-67	15.6	99.4	5050

SANTA ROSA VALLEY 1-18.01

06W/08W-15V03 M	95.0	3-21-67	13.6	81.4	5050
06W/08W-15V01 M	95.0	3-21-67	18.7	76.3	5050

SANTA ROSA VALLEY 1-18.01

07W/06W-19V01 M	465.0	3-22-67	3.5	461.5	5050
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STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SANTA ROSA AREA 1-18.01 (CONT.)

07W/07W-06V01 M	275.0	3-22-67	4.2	270.8	5050
07W/08W-11V01 M	160.0	3-22-67	6.2	153.8	5050

07W/08W-24V02 M	150.0	3-21-67	11.5	178.5	5050
07W/09W-01V01 M	90.0	3-21-67	(2)		5050

07W/09W-35V02 M	135.0	3-21-67	30.7	104.3	5050
08W/09W-36V01 M	90.0	3-21-67	(5)		5050

08W/09W-36V01 M	90.0	3-21-67	(3)	36.1	5050
HEADSBURG AREA 1-18.02					

08W/09W-03V01 M	77.0	10-14-66 11-18-66 12-16-66	(4) (6)	69.3 74.1 71.5	5000
		1-17-67	7.1	69.9	

		2-13-67	2.6	74.4	
		3-13-67	-0.8	77.8	
		4-24-67	3.6	73.4	

		5-12-67	5.1	71.9	
		6-14-67	5.5	71.5	
		7-15-67	6.5	70.5	

		8-16-67	5.9	71.1	
		9-11-67	1.1	75.9	
		10-14-66	(1)	30.3	

08W/09W-22V01 M	67.0	11-18-66	29.3	37.7	5000
		12-16-66	25.2	41.8	
		1-17-67	28.3	38.7	

		2-13-67	(1)	40.6	
		3-13-67	26.1	40.9	
		4-24-67	24.2	42.8	

		5-12-67	26.9	40.1	
		6-14-67	31.2	35.8	
		7-15-67	30.8	36.2	

		8-16-67	(9)		
		9-11-67	30.3	36.7	
		10-14-66	16.6	83.4	5000

09W/09W-20V02 M	100.0	11-18-66	15.1	84.9	
		12-16-66	14.5	85.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
HEADSBURG AREA 1-18.02 (CONT.)						
09W/09W-20E02 M CONT.	100.0	1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(1)	15.8 14.5 13.8 12.9 14.9 15.7 16.1 16.4 14.5	84.2 85.5 86.2 87.1 85.1 84.3 83.9 83.6 85.5	5000
09W/09W-20E04 M	97.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(1)	14.3 6.1 2.0 3.3 1.8 95.2 95.1 0.4 96.6 2.1 3.3 4.7 5.5 5.4	82.7 90.9 95.0 93.7 95.2 95.1 94.9 93.7 92.3 91.5 91.6	5000
09W/09W-28W01 M	90.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67		24.5 18.2 14.9 16.6 15.6 14.3 14.3 16.5 17.4 17.9 19.6 22.1	65.5 71.8 75.1 73.4 74.4 75.7 75.7 73.5 72.6 72.1 70.4 67.9	5000
09W/10W-12001 M	120.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(2)	13.3 13.7 10.8 11.8 11.5 10.2 9.4 11.8 12.5 13.0	106.7 106.3 109.2 108.2 108.5 109.8 110.6 108.2 107.5 107.0	5000
HEADSBURG AREA 1-18.02 (CONT.)						
09W/10W-12001 M CONT.	120.0	8-16-67 9-11-67		13.2 14.1	106.8 105.9	5000
10W/10W-22D01 M	180.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(4)	11.8 10.0 8.4 10.0 8.5 8.1 7.0 9.2 10.2 10.5 10.9 13.3	168.2 170.0 171.6 170.0 171.5 171.9 173.0 170.8 169.8 169.5 169.1 166.7	5000
10W/10W-26W01 M	161.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67		11.8 10.4 9.0 10.6 8.9 8.8 8.0 10.2 10.7 16.2 11.6 12.0	149.2 150.6 152.0 150.4 152.1 152.2 153.0 150.8 150.3 144.8 149.4 149.0	5000
10W/10W-35W01 M	142.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67		5.9 5.6 0.5 1.5 0.6 0.2 0.0 0.7 1.6 2.7 3.9 4.8	136.1 136.4 141.5 140.5 141.4 141.8 142.0 141.3 140.4 139.3 138.1 137.2	5000
LOWER RUSSIAN RIVER VALLEY 1-98.00						
07W/10W-06W01 M	25.0	4-25-67		13.6	11.4	5050

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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LOWER RUBSIAN RIVER VALLEY 1-98.00 (CONT.)

07W/11W-14B01 M	25.0	3-21-67	13.8	11.2	5050
08W/10W-29D02 M	50.0	3-21-67	1.7	48.3	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SAN FRANCISCO BAY REGION (No. 2)

PETALUMA VALLEY 2-01.00					
03W/06W-01Q01 M	2.0	3-21-67	-0.5	2.5	5050
05W/07W-19W01 M	45.0	3-21-67	3.2	41.8	5050
05W/07W-2-B-2 M	41.0	10-17-66	64.0	-23.0	5050
		11-16-66	61.1	-20.1	
		12-14-66	57.0	-16.0	
		1-18-67	56.1	-15.1	
		2-15-67	54.6	-13.6	
		3-20-67	50.9	-9.9	
		4-24-67	51.5	-10.5	
		5-17-67	57.2	-16.2	
		8-15-67	63.5	-22.5	
		9-19-67	65.3	-24.3	
05W/07W-21B01 M	65.0	10-17-66	45.9	19.1	5050
		11-16-66	46.7	18.3	
		12-14-66	42.3	22.7	
		1-18-67	39.6	25.4	
		2-15-67	30.5	34.5	
		3-20-67	29.9	35.1	
		4-24-67	26.2	38.8	
		5-17-67	26.1	38.9	
		8-15-67	34.5	30.5	
		9-19-67	35.5	29.5	
05W/07W-26R01 M	53.6	10-17-66	(1)	20.1	5050
		11-16-66	(4)	22.8	
		12-14-66	(4)	28.9	
		1-18-67	27.0	26.6	
		2-15-67	21.4	32.2	
		3-20-67	18.9	34.7	
		4-24-67	16.0	37.6	
		5-17-67	15.7	37.9	
		8-15-67	19.7	33.9	
		9-19-67	21.7	31.9	
05W/07W-35X01 M	18.8	3-21-67	6.5	12.3	5050
NAPA SONOMA VALLEY 2-02.00					
NAPA VALLEY 2-02.01					
04W/04W-02L01 M	25.0	5-15-67	3.1	21.9	5101
04W/04W-04C01 M	12.0	5-1-67	5.2	6.8	5101

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01 (CONT.)					
05W/04W-15B01 M	31.0	5-1-67	7.0	24.0	5101
04W/04W-05D02 M	22.0	5-1-67	5.6	16.4	5101
04W/04W-12B01 M	48.0	5-1-67	12.0	36.0	5101
04W/04W-14C02 M	34.0	5-1-67	32.7	1.3	5101
04W/04W-25B01 M	37.0	5-1-67	0.4	36.6	5101
05W/03W-05B01 M	255.0	5-2-67	75.3	179.7	5101
05W/04W-03B01 M	18.0	5-3-67	4.4	13.6	5101
05W/04W-04B01 M	63.5	5-3-67	27.5	36.0	5101
05W/04W-04B01 M	58.0	5-3-67	7.8	50.2	5101
05W/04W-05B01 M	121.0	5-3-67	1.4	119.6	5101
05W/04W-05B02 M	122.0	5-3-67	17.1	104.9	5101
05W/04W-10B01 M	30.0	5-3-67	2.2	27.8	5101
05W/04W-11B03 M	16.0	5-2-67	11.2	4.8	5101
05W/04W-11B01 M	13.0	10-17-66 11-16-66 12-14-66	9.0 7.4 5.0	4.0 5.6 8.0	5090
		1-18-67	7.4	5.6	
		2-15-67	5.5	7.5	
		3-20-67	4.6	8.4	
		4-24-67	4.0	9.0	
		5-17-67	6.3	6.7	
		8-15-67	7.3	5.7	
		9-19-67	8.5	4.5	
05W/04W-12B01 M	130.0	5-2-67	62.8	67.2	5101
05W/04W-12B01 M	121.0	5-17-67	47.7	73.3	5101
05W/04W-13B01 M	132.0	5-2-67	12.9	119.1	5101
05W/04W-13B02 M	120.0	5-2-67	20.8	99.2	5101
05W/04W-14B01 M	17.0	5-2-67 (4)	14.9	2.1	5101
05W/04W-15B02 M	22.0	5-2-67	15.6	6.4	5101
NAPA VALLEY 2-02.01 (CONT.)					
05W/04W-15B01 M	22.0	5-2-67	14.1	7.9	5101
05W/04W-19B02 M	110.0	5-2-67	13.2	96.8	5101
05W/04W-20B02 M	50.0	5-2-67	1.2	48.8	5101
05W/04W-21B01 M	75.0	5-2-67	18.4	56.6	5101
05W/04W-22B01 M	12.0	5-2-67	-1.0	13.0	5101
05W/04W-28B01 M	37.0	5-1-67	Flow		5101
05W/04W-29B01 M	77.0	5-2-67	22.3	54.7	5101
06W/03W-31B01 M	240.0	5-3-67	106.8	133.2	5101
06W/03W-31B01 M	145.9	5-1-67	40.1	104.9	5101
06W/03W-31B01 M	180.0	5-3-67	64.2	115.8	5101
06W/03W-31B01 M	170.0	5-17-67	43.3	126.7	5101
06W/03W-31B02 M	167.0	5-17-67	44.1	122.9	5101
06W/04W-05B01 M	67.0	5-5-67	1.4	65.6	5101
06W/04W-06B02 M	80.0	5-5-67	5.9	74.1	5101
06W/04W-06B01 M	75.0	5-4-67	5.1	69.9	5101
06W/04W-06B01 M	75.0	5-16-67	8.8	66.2	5101
06W/04W-07B01 M	135.0	5-4-67	9.6	125.4	5101
06W/04W-08B01 M	70.0	5-4-67	7.1	62.9	5101
06W/04W-15B01 M	67.0	5-4-67	44.2	22.8	5101
06W/04W-16B01 M	62.0	5-4-67	6.2	55.8	5101
06W/04W-17A01 M	67.0	10-17-66 11-16-66 12-14-66	(8) 17.7 16.1	49.3 50.9 58.6	5090
		1-18-67	8.9	58.1	
		2-15-67	1.6	65.4	
		3-20-67	1.5	65.5	
		4-24-67	0.7	66.3	

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE TO WATER IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAFA VALLEY 2-02.01 (CONT.)					
06W/04W-17A01 M	67.0	5-17-67	2.2	64.8	5050
CONT.		8-15-67 (8)	11.0	56.0	
		9-19-67 (8)	11.0	56.0	
06W/04W-18A02 M	85.0	5-4-67	17.7	67.3	5101
06W/04W-19B01 M	125.0	5-4-67	13.3	111.7	5101
06W/04W-21001 M	61.0	5-4-67	0.6	60.4	5101
06W/04W-22F01 M	53.0	5-4-67	15.7	37.3	5101
06W/04W-23J01 M	87.0	4-29-67	12.7	74.3	5101
06W/04W-26N01 M	32.0	5-4-67	10.6	21.4	5101
06W/04W-27L02 M	50.0	1-18-67	36.6	13.4	5050
		2-15-67	28.0	22.0	
		3-20-67	23.3	26.7	
		4-24-67	20.2	29.8	
		5-17-67	21.9	28.1	
		8-15-67	43.8	6.2	
		9-19-67	43.0	7.0	
06W/04W-27N01 M	50.0	5-4-67	13.1	36.9	5101
06W/04W-28X01 M	62.0	4-29-67	4.5	57.5	5101
06W/04W-29B01 M	92.0	5-4-67	4.0	88.0	5101
06W/04W-30C01 M	149.0	5-5-67	3.8	145.2	5101
06W/04W-32X06 M	94.0	5-3-67	7.3	86.7	5101
06W/04W-32L02 M	107.0	5-3-67	23.4	83.6	5101
06W/04W-35003 M	38.0	5-3-67	24.1	13.9	5101
06W/04W-35X03 M	23.0	5-3-67	(4)		5101
06W/04W-36B01 M	105.0	5-4-67	16.0	89.0	5101
06W/05W-12B01 M	180.0	5-4-67	20.3	159.7	5101
07W/04W-30L01 M	112.0	5-5-67	3.3	108.7	5101
07W/04W-30M01 M	114.0	5-5-67	0.9	113.1	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE TO WATER IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAFA VALLEY 2-02.01 (CONT.)					
07W/04W-31B01 M	90.0	5-5-67	2.9	87.1	5101
07W/04W-32B02 M	180.0	5-5-67	1.6	178.4	5101
07W/05W-03001 M	188.0	5-10-67	33.7	154.3	5101
07W/05W-03002 M	188.0	5-10-67	11.0	177.0	5101
07W/05W-04R02 M	172.0	5-10-67	2.4	169.6	5101
07W/05W-05A01 M	182.0	5-10-67	0.7	181.3	5101
07W/05W-06F01 M	245.0	5-10-67	14.9	230.1	5101
07W/05W-06J01 M	215.0	5-10-67	12.0	203.0	5101
07W/05W-08A01 M	175.0	5-10-67	11.9	163.1	5101
07W/05W-08M01 M	190.0	5-10-67	14.3	175.7	5101
07W/05W-09Q01 M	155.0	5-10-67	7.7	147.3	5101
07W/05W-09Q02 M	155.0	10-17-66	18.7	136.3	5050
		11-16-66	16.7	138.3	
		12-14-66	10.7	144.3	
		1-18-67	9.9	145.1	
		2-15-67	6.2	148.8	
		3-20-67	5.6	149.4	
		4-24-67	6.5	148.5	
		5-17-67	8.2	146.8	
		8-15-67	10.7	144.3	
		9-19-67	13.6	141.4	
07W/05W-09Q03 M	155.0	5-10-67	3.5	151.5	5101
07W/05W-10C01 M	162.2	5-10-67	10.7	151.5	5101
07W/05W-14B02 M	139.0	5-9-67	3.7	135.3	5101
07W/05W-14J01 M	140.0	5-9-67	3.8	136.2	5101
07W/05W-15A01 M	143.0	5-8-67	8.8	134.2	5101
07W/05W-15F01 M	141.0	5-8-67	7.2	133.8	5101
07W/05W-16J01 M	171.0	5-8-67	8.5	162.5	5101

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01 (CONT.)					
08N/06W-16B02 M	193.0	5-8-67	12.4	180.6	5101
07N/05W-17B01 M	166.0	5-8-67	2.4	163.6	5101
07N/05W-17B02 M	161.0	5-8-67	-0.3	161.3	5101
07N/05W-21B01 M	152.0	5-8-67	-2.2	154.2	5101
07N/05W-22B03 M	140.0	5-8-67	-0.3	140.3	5101
07N/05W-22B01 M	133.0	5-8-67	4.9	128.1	5101
07N/05W-23B02 M	127.0	5-8-67	0.3	126.7	5101
07N/05W-23B01 M	115.0	5-8-67	2.2	112.8	5101
07N/05W-24B01 M	127.0	5-8-67	0.9	126.1	5101
07N/05W-25B01 M	163.0	5-5-67	14.2	148.8	5101
07N/05W-26B02 M	127.0	5-8-67	2.5	124.5	5101
07N/05W-34B02 M	190.0	5-5-67	6.5	183.5	5101
07N/05W-35B02 M	175.0	5-5-67	2.8	172.2	5101
07N/05W-36B01 M	141.0	5-8-67	3.4	137.6	5101
07N/06W-01B01 M	264.0	5-10-67	13.0	251.0	5101
08N/05W-30B01 M	220.0	5-10-67	0.7	219.3	5101
08N/05W-31B01 M	212.0	5-10-67	11.1	200.9	5101
08N/05W-31B02 M	237.0	5-10-67	16.3	220.7	5101
08N/05W-31B01 M	210.0	5-10-67	6.6	203.4	5101
08N/05W-32B04 M	192.0	5-10-67	4.1	187.9	5101
08N/06W-03B01 M	330.0	5-9-67	35.2	294.8	5101
08N/06W-04B01 M	330.0	5-9-67	64.3	265.7	5101
08N/06W-06B04 M	335.0	5-9-67	4.1	330.9	5101
SONOMA VALLEY 2-02.02					
05N/05W-17C01 M	85.0	10-17-66	(2)	29.8	5050
		11-16-66		27.1	57.9
		12-14-66		22.6	62.4
NAPA VALLEY 2-02.01 (CONT.)					
08N/06W-09B02 M	290.0	5-9-67	9.8	280.2	5101
08N/06W-09B01 M	290.0	5-9-67	1.3	288.7	5101
08N/06W-09B02 M	291.5	5-9-67	2.1	289.4	5101
08N/06W-10B01 M	290.0	10-17-66	9.6	280.4	5050
		11-16-66	9.5	280.5	
		12-14-66	1.5	288.5	
		1-18-67	1.9	288.1	
		2-15-67	1.4	288.6	
		3-20-67	-0.1	290.1	
		4-24-67	1.0	289.0	
		5-17-67	1.6	288.4	
		8-22-67	4.0	286.0	
		9-19-67	(4) 13.0	277.0	
08N/06W-14B01 M	285.0	5-9-67	9.1	275.9	5101
08N/06W-14B01 M	290.0	5-9-67	5.0	285.0	5101
08N/06W-23B01 M	285.0	5-9-67	4.9	280.1	5101
08N/06W-24B01 M	300.0	5-9-67	7.2	292.8	5101
08N/06W-25B02 M	230.0	5-9-67	(4) 9.0	221.0	5101
09N/06W-31B01 M	340.0	5-9-67	1.8	338.2	5101
09N/06W-32B01 M	360.0	5-9-67	9.5	350.5	5101
09N/07W-24B01 M	460.0	5-9-67	9.6	450.4	5101
09N/07W-25B01 M	380.0	5-9-67	4.9	375.1	5101
09N/07W-25B02 M	380.0	5-9-67	4.5	375.5	5101
09N/07W-26B01 M	400.0	5-9-67	1.0	399.0	5101
09N/07W-35B01 M	399.0	5-9-67	1.8	397.2	5101

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SONOMA VALLEY 2-02.02 (CONT.)					
05N/05N-17C01 M	85.0	1-18-67	20.7	64.3	5050
CONT.		2-15-67	20.2	64.8	
		3-20-67	22.3	62.7	
		4-24-67	16.9	68.1	
		5-17-67	19.2	65.8	
		8-15-67	22.4	62.6	
		9-19-67	23.2	61.8	
05N/05N-28N01 M	11.0	3-21-67	6.6	4.4	5050
05N/05N-29N01 M	16.0	10-17-66	13.1	2.9	5050
		11-16-66	12.8	3.2	
		12-14-66	9.2	6.8	
		1-18-67	9.8	6.2	
		2-15-67	4.2	11.8	
		3-20-67	3.6	12.4	
		4-24-67	1.9	14.1	
5-17-67		5-17-67	5.9	10.1	
		8-15-67	10.4	5.6	
		9-19-67	10.6	5.4	
05N/05N-30J03 M	16.0	10-17-66	15.1	0.9	5050
		11-16-66	14.5	1.5	
		12-14-66	10.0	6.0	
		1-18-67	9.8	6.2	
		2-15-67	5.1	10.9	
		3-20-67	4.0	12.0	
		4-24-67	6.6	9.4	
		5-17-67	13.5	2.5	
8-15-67		8-15-67	13.8	2.2	
		9-19-67			
SUISUN-FAIRFIELD VALLEY 2-03.00					
04W/02N-06A01 M	35.0	10-20-66	17.4	17.6	5109
		5-8-67	13.2	21.8	
04W/02N-09A01 M	7.0	10-17-66	2.1	4.9	5050
		10-20-66	2.0	5.0	5109
		11-17-66	1.9	5.1	5050
		12-15-66	-0.5	7.5	
		1-19-67	0.0	7.0	
		2-16-67	Flow		
SUISUN-FAIRFIELD VALLEY 2-03.00 (CONT.)					
04W/02N-09A01 M	7.0	3-18-67	Flow		5050
CONT.		4-28-67	Flow		
		5-8-67	-0.5	7.5	5109
		5-17-67	-0.5	7.5	5050
		8-19-67	0.6	6.4	
		9-12-67	0.7	6.3	
04W/02N-09H01 M	4.0	10-17-66	1.9	2.1	5050
		11-17-66	0.1	3.9	
		12-15-66	0.0	4.0	
		1-19-67	-0.2	4.2	
		2-16-67	Flow		
		3-18-67	Flow		
		4-28-67	Flow		
		5-17-67	(1)	1.8	
(3)		8-19-67	2.2	3.2	
		9-12-67	0.8		
04W/03N-01D01 M	37.0	10-20-66	8.0	29.0	5109
		5-8-67	2.1	34.9	
05N/01W-07D01 M	115.0	10-19-66	15.1	99.9	5109
		5-2-67	11.3	103.7	
05N/02N-21P03 M	60.0	10-17-66	11.5	48.5	5050
		10-19-66	11.8	48.2	5109
		11-18-66	12.1	47.9	5050
		12-16-66	11.0	49.0	
		1-20-67	10.4	49.6	
		2-17-67	3.6	56.4	
		3-15-67	5.9	54.1	
		4-26-67	3.3	56.7	
5-2-67		5-2-67	4.0	56.0	5109
		5-17-67	10.2	49.8	5050
		8-19-67	9.4	50.6	
		9-12-67	10.5	49.5	
05N/02N-25R01 M	7.0	10-17-66	6.0	1.0	5050
		11-18-66	5.6	1.4	
		12-16-66	0.9	6.1	
		1-20-67	2.5	4.5	
		2-17-67	0.9	6.1	
		3-18-67	0.1	6.9	
		4-28-67	0.4	6.6	
5-17-67		5-17-67	2.7	4.3	
		8-18-67	5.5	1.3	
		9-12-67	5.8	1.2	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUITSUN-FAIRFIELD VALLEY 2-03.00 (CONT.)					
05N/02N-27J02 M	24.0	10-17-66	8.0	16.0	5050
		11-18-66	6.1	17.9	
		12-16-66 (2)	9.0	15.0	
		1-20-67	6.6	17.4	
		2-17-67	6.8	17.2	
		3-15-67	(2)	-5.6	
		4-26-67 (2)	24.7	-0.7	
		5-17-67	7.7	16.3	
		8-19-67 (2)	10.2	13.8	
		9-12-67	6.7	17.3	
05N/02N-29R01 M	46.0	10-19-66	13.7	32.3	5109
		5-2-67 (1)	36.9	9.1	
05N/02N-30J01 M	65.0	10-17-66 (8)	21.9	43.1	5050
		11-18-66 (8)	22.5	42.5	
		12-16-66 (8)	19.9	45.1	
		1-20-67 (8)	21.2	43.8	
		2-17-67	14.9	50.1	
		3-15-67	17.0	48.0	
		4-26-67	14.7	50.3	
		5-17-67	17.0	48.0	
		8-19-67	18.3	46.7	
		9-12-67	18.6	46.4	
YGNACIO VALLEY 2-06.00					
01N/01N-07K01 M	83.0	10-25-66 (1)	13.9	69.1	5050
		11-16-66	13.2	69.8	
		12-14-66	11.5	71.5	
		1-18-67	12.2	70.8	
		2-14-67	9.3	73.7	
		3-18-67	9.2	73.8	
		4-28-67	8.6	74.4	
		5-15-67	10.6	72.4	
		8-21-67 (1)	14.9	68.1	
		9-15-67	12.5	70.5	
01N/02N-11N01 M	63.0	10-25-66	13.8	49.2	5050
		1-16-66	13.3	49.7	
		12-14-66	12.3	50.7	
		1-18-67	12.2	50.8	
		2-14-67	10.1	52.9	
		3-18-67	9.8	53.2	
		4-28-67	9.2	53.8	
YGNACIO VALLEY 2-06.00 (CONT.)					
01N/02N-11N01 M	63.0	5-15-67	10.0	53.0	5050
		8-21-67	12.8	50.2	
		9-15-67	13.6	49.4	
01N/02N-13R01 M	100.0	3-17-67	4.2	95.8	5050
02N/02N-27R01 M	15.0	10-25-66	6.5	8.5	5050
		11-16-66	5.2	9.8	
		12-14-66	3.7	11.3	
		1-18-67	4.0	11.0	
		2-14-67	1.9	13.1	
		3-18-67	0.9	14.1	
		4-28-67	0.8	14.2	
		5-15-67	2.0	13.0	
		8-21-67	6.7	8.3	
		9-15-67	6.7	8.3	
02N/02N-36R01 M	48.0	10-25-66	18.8	29.2	5050
		11-16-66	18.3	29.7	
		12-14-66	16.3	31.7	
		1-18-67	17.3	30.7	
		2-14-67	13.5	34.5	
		3-18-67	11.1	36.9	
		4-28-67	10.4	37.6	
		5-15-67 (4)	12.8	35.2	
		8-21-67	15.8	32.2	
		9-15-67	16.3	31.7	
SANTA CLARA VALLEY 2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01					
04S/01N-35P03 M	115.3	10-28-66	141.1	-25.8	5401
		11-11-66	133.0	-17.7	
		12-30-66	117.5	-2.2	
		1-20-67	112.9	2.4	
		2-17-67	108.3	7.0	
		3-17-67	104.0	11.3	
		4-21-67	97.1	18.2	
		5-5-67	95.1	20.2	
		6-23-67	101.0	14.3	
		7-21-67	117.1	-1.8	
		8-18-67	122.5	-7.2	
		9-18-67	122.2	-7.0	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA UPPER AQUIFER 2-09-01 (CONT.)					
04S/01W-22P05 M	80.0	10-6-66 3-14-67	55.0 35.8	25.0 44.2	5100
04S/02W-13Q02 M	36.4	9-20-66 5-4-67 9-18-67	62.1 48.7 56.1	-25.7 -12.3 -19.7	5401
04S/02W-24Q02 M	33.4	10-6-66 3-17-67	63.3 46.6	-34.9 -13.2	5100
05S/01W-04P01 M	40.9	10-14-66 11-11-66 12-23-66 1-20-67 2-17-67 3-17-67 4-21-67 5-26-67 6-23-67 7-21-67 8-18-67 9-1-67	65.9 65.7 67.2 66.2 65.7 63.7 52.1 61.1 64.9 59.4 59.4 58.9	-25.0 -24.3 -26.3 -25.3 -24.8 -22.8 -11.2 -20.2 -24.0 -18.5 -18.5 -18.0	5401
EAST BAY AREA LOWER AQUIFER 2-09-01					
02S/03W-36R01 M	45.0	10-7-66 3-16-67	91.9 74.2	-46.9 -29.2	5100
03S/03W-24J01 M	11.0	10-19-66 11-9-66 12-14-66 1-6-67 2-2-67 3-1-67 4-5-67 5-4-67 6-7-67 7-5-67 8-1-67 9-6-67	85.0 83.6 74.4 70.8 67.0 65.2 62.8 60.0 61.0 61.4 63.5 64.8	-74.0 -72.6 -63.4 -59.8 -56.0 -54.2 -51.8 -40.0 -50.0 -50.4 -52.5 -53.8	5100
03S/03W-36R03 M	5.0	10-6-66 3-13-67	92.7 69.0	-37.7 -64.0	5100
04S/02W-02Q01 M	26.0	5-5-67 9-21-67	64.5 95.8	-38.5 -69.8	5401
EAST BAY AREA UPPER AQUIFER 2-09-01					
03S/02W-08R02 M	48.0	10-19-66 11-9-66 12-14-66 1-4-67 2-2-67 3-1-67 4-5-67 5-4-67 6-7-67 7-5-67 8-1-67 9-6-67	(4) (4) 23.4 24.8 23.2 17.2 18.2 17.2 18.9 17.0 31.0 20.4 20.0 20.3	24.6 24.8 30.8 29.8 30.8 29.1 27.6 28.0 27.7	5100
03S/02W-08R05 M	64.0	10-7-66 3-14-67	35.8 33.1	28.2 30.9	5100
03S/02W-19J01 M	30.0	10-19-66 11-9-66 12-14-66 1-4-67 2-2-67 3-1-67 4-5-67 5-4-67 6-7-67 7-5-67 8-1-67 9-6-67	13.8 13.5 12.9 13.0 10.8 10.3 9.0 9.6 10.0 10.5 10.8	16.2 16.5 17.1 17.0 19.2 19.7 21.0 20.4 20.0 19.5 19.2	5100
03S/03W-24Q02 M	7.0	10-6-67 3-13-67	(7) (7)	-15.5 -14.0	5100
04S/01W-18Q01 M	45.0	10-21-66 11-18-66 12-16-66 7-3-67 1-27-67 2-24-67 3-24-67 4-21-67	77.7 78.0 73.7 69.7 67.3 63.6 (0)	-32.7 -33.0 -28.7 -24.7 -22.3 -18.6	5401
04S/01W-18R03 M	47.0	4-21-67 5-5-67 6-16-67 7-28-67 8-25-67 9-8-67	62.5 61.0 61.3 65.4 68.2 66.9	-15.5 -14.0 -14.3 -18.4 -21.2 19.9	5401

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA LOWER AQUIFER 2-09-01 (CONT.)					
04S/02W-35R02 M	15.0	10-28-66 11-11-66 12-23-66	71.5 70.6 50.8	-56.5 -55.6 -55.8	5401
		1-20-67 2-17-67 3-17-67 4-21-67	48.1 42.7 39.9 34.2	-33.1 -27.7 -24.9 -19.2	
		5-5-67 6-23-67 7-21-67 8-18-67 9-1-67	34.2 (7) 55.8 59.4 57.4	-19.2 (7) -40.8 -44.4 -42.4	
05S/01W-09M01 M	15.0	5-8-67 9-21-67	42.3 72.3	-27.3 -57.3	5401
SOUTH BAY AREA 2-09-02					
06S/01E-07B01 M	15.8	10-24-66 11-21-66 12-19-66 1-20-67 2-17-67 3-22-67 4-24-67 5-18-67 6-20-67 7-20-67 8-24-67 9-25-67	(8) 115.4 (8) 106.9 (8) 100.5 97.7 92.8 88.4 80.8 85.7 (7) (7) (7) (7)	-99.6 -91.1 -84.7 -81.9 -77.0 -72.6 -65.0 -69.9 (7) (7) (7) (7)	2400
06S/01E-21R01 M	138.0	10-24-66 11-9-66 12-20-66 1-19-67 2-16-67 3-21-67 4-19-67 5-17-67 6-14-67 7-26-67 8-22-67 9-22-67	218.8 216.9 211.6 206.4 195.2 192.4 188.8 184.2 193.3 203.2 206.7 (1)	-80.8 -78.9 -73.6 -68.4 -57.2 -54.4 -50.8 -46.2 -55.3 -65.2 -68.7 (1)	2400
SOUTH BAY AREA 2-09-02 (CONT.)					
06S/01E-23R02 M	240.5	10-21-66 11-9-66 12-20-66 2-15-67 3-20-67 4-18-67 5-16-67 6-14-67 7-13-67 8-22-67 9-21-67	(3) 122.5 123.1 121.3 120.8 122.2 121.0 118.8 118.6 118.3 117.4 117.1	118.0 117.4 119.2 119.7 118.3 121.7 121.9 122.1 123.1 123.4	2400
06S/01E-30M01 M	43.0	10-25-66 11-22-66 12-22-66 1-23-67 2-20-67 3-22-67 4-24-67 5-19-67 6-22-67 7-21-67 8-25-67 9-25-67	(6) 148.0 131.3 122.2 121.3 119.4 107.5 106.3 122.0 (1) 143.7 134.2 132.0	-105.0 -86.3 -79.2 -78.3 -76.4 -64.5 -63.3 -79.0 (1) -100.7 -91.2 -89.0	2400
06S/01W-23B01 M	21.0	10-24-66 11-20-66 12-19-66 1-16-67 2-13-67 3-13-67 4-11-67 5-8-67 6-5-67 7-5-67 8-28-67 9-25-67	131.4 119.6 111.0 107.0 100.9 99.0 92.0 88.6 107.9 131.3 151.9 144.8	-110.4 -98.6 -90.0 -86.0 -79.9 -78.0 -71.0 -67.6 -86.9 -110.3 -130.9 -123.8	5000

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

06S/02N-16R01 M	48.0	10-27-66 11-28-66 12-27-66	122.3 118.8 114.5	-74.3 -70.8 -66.5	2400
		1-27-67 2-27-67 3-28-67 4-27-67 5-27-67 6-27-67 7-25-67 8-29-67 9-27-67	(7) 118.6 115.3 118.6 121.2 114.6 119.7 121.4	-66.3 -70.6 -67.3 -70.6 -73.2 -66.6 -71.7 -73.4	
06S/02N-25001 M	73.0	10-26-66 11-23-66 12-27-66 1-26-67 2-21-67 3-27-67 4-26-67 5-25-67 6-26-67 7-24-67 8-28-67 9-26-67	(8) 157.2 159.6 153.3 151.5 131.4 128.5 126.6 134.8 139.4 140.2 142.7 134.4	-94.2 -86.6 -80.3 -78.5 -98.4 -55.5 -53.6 -61.8 -66.4 -67.2 -69.7 -61.4	2400
06S/02N-35001 M	140.1	10-27-66 11-23-66 12-28-66 1-27-67 2-27-67 3-27-67 4-27-67 5-25-67 6-26-67 7-25-67 8-29-67 9-27-67	(6) 273.4 299.7 292.3 290.7 243.6 243.0 241.9 263.7 271.3 273.4 277.7 276.4	-133.3 -119.6 -112.2 -110.6 -103.5 -102.9 -101.8 -123.6 -131.2 -133.3 -137.6 -136.3	2400
07S/01E-1X01 M	179.0	10-21-66 11-18-66 12-21-66 1-18-67 2-15-67 3-20-67	(6) 202.0 200.0 197.0 195.0 194.0 (7)	-23.0 -21.0 -18.0 -16.0 -15.0	2400

SOUTH BAY AREA 2-09.02 (CONT.)

07S/01E-1X01 M CONT.	179.0	4-18-67 5-16-67 6-14-67 7-18-67 8-21-67 9-22-67	(6) 187.0 185.0 187.0 190.0 192.0 190.0	-8.0 -6.0 -8.0 -11.0 -13.0 -11.0	2400
07S/01E-8X01 M	88.0	10-27-66 11-28-66 12-29-66 1-30-67 2-28-67 3-23-67 4-17-67 5-29-67 6-19-67 7-26-67 8-30-67 9-28-67	(8) 161.8 154.0 151.7 146.0 141.0 137.0 132.0 144.0 155.4 167.4 161.7 159.4 155.7 157.4	-73.8 -66.0 -63.7 -59.0 -53.0 -49.0 -44.0 -67.4 -73.7 -71.4 -67.7 -69.4	2400
07S/01E-9D02 M	95.9	10-24-66 11-20-66 12-19-66 1-16-67 2-13-67 3-13-67 4-11-67 5-8-67 6-5-67 7-5-67 8-28-67 9-25-67	(6) 197.6 186.6 181.4 174.9 168.0 162.3 158.7 155.5 159.1 163.2 170.8 188.0 194.6 181.8	-101.7 -90.7 -85.5 -79.0 -72.1 -66.4 -62.8 -59.6 -59.6 -74.9 -92.1 -88.7 -85.9	5000
07S/01E-16005 M	105.0	10-24-66 11-20-66 12-19-66 1-16-67 2-13-67 3-13-67 4-11-67	(6) 247.4 224.4 211.8 212.4 205.9 204.2 191.5	-142.4 -119.4 -106.8 -107.4 -100.9 -99.2 -86.5	5000

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02 (CONT.)					
OTS/01E-16005 M	105.0	5-8-67 6-5-67 7-5-67 7-31-67 8-28-67 9-25-67	195.4 193.5 228.8 237.6 252.5 248.8	-90.4 -88.5 -123.8 -132.6 -147.5 -143.8	5000
OTS/01E-31402 M	151.6	10-19-66 11-16-66 12-14-66 1-17-67 2-14-67 3-17-67 4-17-67 5-12-67 6-13-67 7-17-67 8-18-67 9-21-67	224.1 211.5 190.0 168.2 160.3 152.7 149.8 144.4 136.6 142.5 164.8 157.4	-72.5 -59.9 -38.4 -16.6 -8.7 -1.1 1.8 7.2 15.0 9.1 -13.2 -5.8	2400
OTS/02E-7F01 M	130.0	10-21-66 11-18-66 12-21-66 1-18-67 2-15-67 3-20-67 4-18-67 5-16-67 6-14-67 7-18-67 8-21-67 9-22-67	142.5 140.2 138.6 136.3 135.6 135.0 132.4 133.3 135.6 137.4 139.8 138.7	-12.5 -10.2 -8.6 -6.3 -5.6 -5.0 -2.4 -3.3 -5.6 -7.4 -9.8 -8.7	2400
OTS/02E-17H01 M	349.0	10-18-66 11-15-66 12-13-66 1-16-67 2-9-67 3-16-67 4-13-67 5-11-67 6-9-67 7-13-67 8-17-67 9-15-67	97.7 97.2 96.4 95.2 95.3 94.4 93.8 94.3 95.7 96.6 95.3 94.7	251.3 251.8 252.6 253.2 253.7 254.6 255.2 254.7 253.3 252.4 253.7 254.3	2400
SOUTH BAY AREA 2-09.02 (CONT.)					
OTS/02E-33001 M	462.0	10-18-66 11-15-66 12-13-66 1-12-67 2-9-67 3-15-67 4-13-67 5-11-67 6-9-67 7-13-67 8-17-67 9-15-67	22.8 22.3 21.5 22.6 20.8 19.8 (6) 18.5 (6) 21.3 22.6 22.6 20.9	439.2 439.7 440.5 439.4 441.2 442.2 443.5 443.3 440.7 439.4 439.4 441.1	2400
OTS/01W-35001 M	202.0	10-1-66 11-1-66 12-1-66 1-1-67 2-1-67 3-1-67 4-1-67 5-1-67 6-1-67 7-1-67 8-1-67 9-1-67	236.0 239.0 237.0 229.0 226.0 213.0 210.0 200.0 190.0 190.0 190.0 188.0	-34.0 -37.0 -35.0 -27.0 -14.0 -11.0 -8.0 2.0 12.0 12.0 12.0 14.0	2400
OTS/02W-3F01 M	216.7	10-1-66 11-1-66 12-1-66 1-3-67 2-2-67 3-2-67 4-2-67 5-1-67 6-1-67 7-1-67 8-1-67 9-1-67	360.0 351.0 345.0 342.0 338.0 336.0 331.0 355.0 360.0 365.0 365.0 365.0	-143.3 -134.3 -128.3 -125.3 -121.3 -119.3 -114.3 -138.3 -143.3 -148.3 -148.3 -148.3	2400
OTS/02W-4B01 M	218.0	10-28-66 11-28-66 12-29-66 1-27-67 2-27-67 3-28-67	202.5 197.7 194.4 196.7 209.3 201.4	15.5 20.3 23.6 21.3 8.7 16.6	2400

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

07S/02N-1B01 CONT.	218.0	4-27-67 5-27-67 6-27-67 7-25-67 8-29-67 9-27-67	(6) (6) (6) (6) (6) (6)	193.3 195.2 194.2 195.6 195.4 193.6	24.7 22.8 23.8 22.4 22.6 24.4	2400
07S/02N-22A01	340.0	10-28-67 11-28-66 12-29-66 1-27-67 2-27-67 4-28-67 5-27-67 6-27-67 7-25-67 8-30-67 9-27-67	(6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	35.7 24.8 20.4 19.2 21.4 14.4 16.8 25.0 17.6 16.8 21.6	304.3 315.2 319.6 320.8 318.6 323.6 323.2 325.0 315.0 322.4 323.2 318.4	2400
08S/01E-7B02	207.0	10-4-66 11-1-66 12-1-66 1-3-67 2-1-67 3-1-67 4-3-67 5-2-67 6-1-67 6-30-67 8-9-67 9-1-67	(8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8)	100.7 101.2 100.0 85.8 72.7 65.3 58.8 55.4 56.2 57.3 57.3 58.1	106.3 105.8 107.0 121.2 134.3 141.7 148.2 151.6 150.8 149.7 149.7 148.9	2400
08S/01E-13B01	184.6	10-5-66 11-3-66 12-5-66 1-6-67 2-3-67 3-3-67 4-1-67 5-3-67 6-2-67 7-5-67 8-10-67 9-5-67	(8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8)	35.2 37.0 37.7 40.3 36.6 34.8 31.6 28.8 31.4 32.6 29.9 27.2	149.4 147.6 146.9 144.3 148.0 149.8 153.0 155.8 153.2 152.0 154.7 157.4	2400

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

08S/02E-20F03	209.0	10-6-66 11-3-66 12-5-66 1-9-67 2-2-67 3-3-67 4-5-67 5-4-67 6-5-67 7-6-67 8-11-67 9-7-67	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	158.7 156.6 159.3 149.7 161.5 164.4 169.4 171.5 173.4 175.3 178.8	2400
08S/02E-22D01	239.7	10-6-66 11-4-66 12-6-66 1-9-67 2-2-67 3-3-67 4-5-67 5-4-67 6-5-67 7-7-67 8-11-67 9-7-67	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	210.9 209.0 210.8 208.5 224.5 225.2 228.4 226.2 228.3 229.6 228.8 229.1	2400
08S/01W-15B01	331.2	10-20-66 11-17-66 12-15-66 1-17-67 2-10-67 3-17-67 4-17-67 5-12-67 6-13-67 7-17-67 8-21-67 9-21-67	(6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	37.0 35.7 35.0 35.5 34.0 33.0 33.4 33.3 33.0 33.5 35.4 34.0	2400
09S/02E-11D01	314.6	10-8-66 11-8-66 12-8-66 1-11-67 2-6-67	(8) (8) (8) (8) (8)	66.4 66.4 62.5 59.2 38.8	2400

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02 (CON'T.)					
09S/02E-1J01 M	314.6	3-6-67	30.7	283.9	2400
		4-10-67	27.2	287.4	
		5-9-67	27.2	287.4	
		6-7-67	29.9	284.7	
	(8)	7-10-67	33.7	280.9	
		8-15-67	30.1	284.5	
		9-12-67	31.5	283.1	
09S/02E-1M01 M	287.6	10-6-66	42.7	244.9	2400
		11-4-66	43.7	243.9	
		12-6-66	37.3	250.3	
		1-9-67	34.6	253.0	
		2-2-67	28.6	259.0	
		3-6-67	24.2	263.4	
		4-7-67	21.0	266.6	
		5-4-67	14.1	273.5	
		6-5-67	13.7	273.9	
		7-7-67	19.4	268.2	
	(6)	8-11-67	21.0	266.6	
		9-8-67	20.4	267.2	
LIVERMORE VALLEY 2-10.00					
02S/02E-2J01 M	555.3	10-00-66	10.2	945.1	5100
		4-00-67	7.9	947.4	
02S/01W-26001 M	416.9	10-00-66	44.4	372.5	5100
		4-00-67	37.9	379.0	
03S/01E-07001 M	321.7	10-19-66	147.3	174.4	5100
		11-9-66	145.5	176.2	
		12-14-66	144.2	177.5	
		1-4-67	128.7	193.0	
		2-2-67	123.5	198.2	
		3-1-67	122.7	199.0	
		4-5-67	118.7	203.0	
		5-4-67	112.2	209.5	
		6-7-67	107.7	214.0	
		7-5-67	110.1	211.6	
		8-1-67	112.9	208.8	
		9-6-67	116.0	205.7	
LIVERMORE VALLEY 2-10.00 (CON'T.)					
03S/01E-9R02 M	353.2	10-19-66	107.7	245.5	5100
		11-19-66	107.2	246.0	
		12-14-66	101.5	251.7	
		1-4-67	120.2	233.0	
		2-1-67	122.9	230.3	
		3-1-67	107.2	246.0	
		4-5-67	98.0	255.2	
		5-3-67	89.3	263.9	
	(1)	6-7-67	106.8	246.4	
	(1)	7-5-67	114.5	239.7	
	(1)	8-1-67	142.7	210.5	
		9-6-67	159.5	193.7	
03S/01E-10Q02 M	368.7	10-19-66	123.5	245.2	5100
		11-9-66	119.4	249.3	
		12-14-66	117.5	251.2	
		1-4-67	122.5	246.2	
		2-1-67	118.3	250.4	
		3-1-67	121.0	247.7	
		4-5-67	113.5	255.2	
		5-4-67	114.0	254.7	
		6-7-67	109.6	259.1	
	(1)	7-5-67	122.5	246.2	
	(1)	8-1-67	126.0	242.7	
		9-6-67	132.5	236.2	
03S/01E-11H01 M	372.9	10-00-66	125.2	247.7	5100
		4-00-67	119.2	253.7	
03S/01E-17R01 M	347.0	10-19-66	158.8	188.2	5100
		11-9-66	159.0	188.0	
		12-14-66	(2)		
		1-4-67	158.5	188.5	
		2-2-67	156.6	190.4	
		3-1-67	151.8	195.2	
		4-5-67	142.8	204.2	
		5-4-67	147.5	199.5	
		6-7-67	146.0	201.0	
		7-5-67	109.8	237.2	
		8-1-67	109.5	237.5	
	(3)	9-6-67	118.5	228.5	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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LIVERMORE VALLEY 2-10.00 (CONT.)

03S/01E-19A03 M	328.0	10-19-66	139.7	189.3	5100
		11-9-66	138.2	189.8	
		12-14-66	136.0	192.0	
		1-4-67	132.7	195.3	
		2-1-67	132.5	195.5	
		3-1-67	131.7	196.3	
		4-5-67	120.9	207.1	
		5-4-67	114.7	213.3	
		6-7-67	109.4	218.6	
		7-5-67	114.7	213.3	
		8-1-67	119.6	208.4	
		9-6-67	119.7	208.3	
03S/02E-19D01 M	551.0	10-00-66	128.5	422.5	5100
		4-00-67	90.3	460.7	
03S/02E-16D02 M	508.0	10-19-66	106.2	401.8	5100
		11-9-66	106.3	401.7	
		12-14-66	103.1	404.9	
		1-4-67	102.7	405.3	
		2-1-67	101.7	406.3	
		3-1-67	100.7	407.3	
		4-5-67	100.1	407.9	
		5-4-67	99.4	408.6	
		6-7-67	99.9	408.1	
		7-5-67	100.6	407.4	
		8-1-67	100.8	407.2	
		9-6-67	100.6	407.4	
03S/02E-19D01 M	411.6	10-19-66	194.1	217.5	5100
		11-9-66	192.9	218.7	
		12-14-66	191.7	229.9	
		1-4-67	178.4	233.2	
		2-1-67	164.1	247.5	
		3-1-67	162.1	249.5	
		4-5-67	151.5	260.1	
		5-3-67	137.0	274.6	
		6-7-67	136.3	275.3	
		7-5-67	143.8	267.8	
		8-1-67	150.6	261.0	
		9-6-67	159.7	251.9	

HALF MOON BAY TERRACE 2-22.00

03S/05W-19D01 M	53.0	3-21-67	17.6	35.4	5050
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STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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HALF MOON BAY TERRACE 2-22.00 (CONT.)

05S/05W-20D01 M	73.0	10-26-66	25.3	47.7	5050
		11-17-66	(1)	41.9	
		12-16-66	(1)	42.4	
		1-17-67	28.4	44.6	
		2-14-67	17.4	55.6	
		3-18-67	18.8	54.2	
		4-25-67	18.0	55.0	
		5-16-67	16.2	56.8	
		8-23-67	(1)	41.4	
		9-14-67	(1)	42.5	
05S/05W-25F04 M	50.0	10-26-66	31.5	26.0	5050
		11-17-66	24.0	18.5	
		12-16-66	(4)	31.3	
		1-17-67	13.7	36.3	
		2-14-67	10.6	39.4	
		3-18-67	12.2	37.9	
		4-25-67	8.6	41.4	
		5-16-67	11.1	38.9	
		8-23-67	16.7	33.3	
		9-14-67	19.5	30.5	
05S/05W-25J01 M	46.0	3-21-67	28.9	17.1	5050
05S/05W-32D01 M	90.0	10-26-66	29.6	60.4	5050
		11-17-66	29.5	60.5	
		12-16-66	30.6	59.4	
		1-17-67	30.3	59.7	
		2-14-67	29.7	61.3	
		3-18-67	27.6	62.4	
		4-25-67	25.8	64.2	
		5-16-67	24.2	65.8	
		8-23-67	28.0	62.0	
		9-14-67	27.1	62.9	
05S/06W-10D01 M	35.0	3-21-67	Flow		5050
06S/05W-8B01 M	108.0	10-26-66	52.8	55.2	5050
		11-17-66	54.3	53.2	
		12-16-66	62.0	46.0	
		1-17-67	57.5	50.5	
		2-14-67	57.0	51.0	
		3-18-67	59.0	49.0	
		4-25-67	55.0	53.0	
		5-16-67	57.0	51.0	
		8-23-67	56.8	51.2	
		9-14-67	59.3	49.7	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN GREGORIO VALLEY 2-24.00					
OTS/05W-13B01 M	80.0	10-26-66	13.7	66.3	5050
		11-17-66	13.0	67.0	
		12-16-66	10.6	69.4	
		1-17-67	12.3	67.7	
		2-14-67	11.0	69.0	
		3-18-67	9.7	70.3	
		4-25-67	10.3	69.7	
		5-16-67	11.2	68.8	
		8-23-67	12.4	67.6	
		9-14-67	12.3	67.7	
OTS/05W-15B01 M	80.0	3-21-67	7.5	72.5	5050
OTS/05W-15B01 M	75.2	3-21-67	2.2	73.0	5050
OTS/05W-15B02 M	30.0	10-26-66	13.9	16.1	5050
		11-17-66	16.5	13.5	
		12-16-66	12.7	17.3	
		1-17-67	15.3	14.7	
		2-14-67	11.7	18.3	
		3-18-67	10.0	20.0	
		4-25-67	10.8	19.2	
		5-16-67	12.6	17.4	
		8-23-67	14.5	15.5	
		9-14-67	14.3	15.7	
OTS/05W-15B02 M	40.0	5-16-67	14.9	25.1	5050
PESCADERO VALLEY 2-26.00					
OTS/05W-9H01 M	20.0	10-26-66	5.1	14.9	5050
		11-17-66	4.6	15.4	
		12-16-66	4.3	15.7	
		1-17-67	4.4	15.6	
		2-14-67	3.7	16.3	
		3-18-67	3.7	16.3	
		4-25-67	3.2	16.8	
		5-16-67	3.6	16.4	
		8-23-67	4.2	15.8	
		9-14-67	4.5	15.5	
OTS/05W-10K01 M	37.0	10-26-66	18.6	18.4	5050
		11-17-66	18.4	18.6	
		12-16-66	16.4	20.6	
		1-17-67	17.4	19.6	
PESCADERO VALLEY 2-26.00 (CONT.)					
OTS/05W-10K01 M	37.0	2-14-67	7.4	29.6	5050
		3-18-67	9.4	27.6	
		4-25-67	7.2	29.8	
		5-16-67	11.2	25.8	
		8-23-67	17.4	19.6	
		9-14-67	17.7	19.3	
		10-26-66	18.0	52.0	5050
		11-17-66	16.1	53.9	
		12-16-66	10.5	59.5	
		1-17-67	11.1	58.9	
		2-14-67	9.5	60.5	
		3-18-67	9.0	61.0	
		4-25-67	6.5	63.5	
		5-16-67	9.7	60.3	
		8-23-67	13.5	56.5	
		9-14-67	14.0	56.0	
OTS/05W-11K02 M	60.0	3-21-67	1.1	58.9	5050
OTS/05W-11M01 M	45.0	3-21-67	12.0	33.0	5050

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE TO SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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CENTRAL COASTAL REGION (No. 3)

SOQUEL VALLEY 3-01.00

11S/01N-09T01 M	124.2	10-25-66	57.7	66.5	5050
		11-17-66	57.7	66.5	
		12-16-66	57.9	66.3	
		1-17-67	57.4	66.8	
		2-14-67	59.2	65.0	
		3-18-67	59.7	64.5	
		4-25-67	58.5	65.7	
		5-16-67	56.6	67.6	
		8-23-67	55.6	68.6	
		9-14-67	55.4	68.8	
11S/01N-10001 M	90.0	10-25-66	61.8	28.2	5050
		11-17-66	60.8	29.2	
		12-16-66	60.0	30.0	
		1-17-67	61.4	28.6	
		2-14-67	62.1	27.9	
		3-18-67	59.9	30.1	
		4-25-67	60.2	29.8	
		5-16-67	59.4	30.6	
		8-23-67	61.4	28.6	
		9-14-67	62.4	27.6	
11S/01N-15002 M	87.0	10-25-66	60.1	26.9	5050
		11-17-66	57.8	29.2	
		12-16-66	(2)	27.5	
		1-17-67	58.5	28.5	
		2-14-67	56.9	30.1	
		3-18-67	(2)	30.4	
		4-25-67	(2)	68.8	
		5-16-67	(2)	30.5	
		8-23-67	(2)	67.8	
		9-14-67	(2)	77.8	
11S/02E-27A01 M	141.0	10-25-66	99.7	41.3	5050
		11-18-66	98.8	42.2	
		12-15-66	95.9	45.1	
		1-17-67	(1)	42.3	
		2-14-67	97.5	43.5	
		3-18-67	(3)	46.0	
		4-26-67	(3)	46.8	
		5-15-67	94.0	47.0	
		8-22-67	95.9	45.1	
		9-13-67	96.2	44.8	

PAJARO VALLEY 3-02.00

11S/02E-27A01 M	141.0	10-25-66	99.7	41.3	5050
		11-18-66	98.8	42.2	
		12-15-66	95.9	45.1	
		1-17-67	(1)	42.3	
		2-14-67	97.5	43.5	
		3-18-67	(3)	46.0	
		4-26-67	(3)	46.8	
		5-15-67	94.0	47.0	
		8-22-67	95.9	45.1	
		9-13-67	96.2	44.8	

PAJARO VALLEY 3-02.00 (CONT.)

12S/01E-24G01 M	9.4	10-25-66	(8)	16.8	5050
		11-18-66	(8)	6.6	
		12-16-66	(8)	4.6	
		1-17-67	(8)	3.9	
		2-15-67	(8)	5.5	
		3-18-67	(8)	6.1	
		4-26-67	(8)	4.3	
		5-15-67	(1)	4.9	
		8-22-67	(8)	6.4	
		9-13-67	(8)	9.9	
12S/02E-11B04 M	36.0	10-25-66	(8)	32.7	5050
		11-18-66	(8)	28.5	
		12-15-66	(8)	11.4	
		1-16-67	(8)	24.6	
		2-15-67	(8)	22.5	
		3-17-67	(8)	21.7	
		4-26-67	(8)	16.8	
		5-15-67	(8)	22.9	
		8-22-67	(8)	13.1	
		9-13-67	(8)	4.2	
			(8)	31.7	
12S/02E-16V01 M	20.5	10-25-66	(8)	21.7	5050
		11-18-66	(8)	18.5	
		12-15-66	(8)	16.2	
		1-17-67	(8)	14.5	
		2-15-67	(8)	12.2	
		3-17-67	(9)		
		4-26-67	(8)	10.8	
		5-15-67	(8)	15.1	
		8-22-67	(8)	22.4	
		9-13-67	(8)	24.7	
12S/02E-31K01 M	30.0	12-13-66	30.0	0.0	2100
13S/01E-01A01 M	5.0	12-12-66	3.3	1.7	2100
13S/02E-05B01 M	136.0	10-25-66	142.1	-6.1	5050
		11-18-66	146.6	-10.6	
		12-16-66	140.0	-4.0	
		1-17-67	(2)	151.6	
		2-15-67	(2)	137.6	
		3-17-67	(2)	136.8	
		4-28-67	(2)	146.3	
		5-15-67	135.5	-10.3	
		8-22-67	138.4	0.5	
		9-13-67	130.6	-2.4	
				-3.6	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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PATAHO VALLEY 3-02.00 (CONT.)

13S/02E-06B01 M	15.0	10-25-66	20.0	-5.0	5050
		11-18-66	17.6	-2.6	
		12-16-66	15.3	-0.3	
		1-17-67	13.0	2.0	
		2-15-67	14.0	1.0	
		3-17-67	12.8	2.2	
		4-26-67	11.5	3.5	
		5-15-67	11.9	3.1	
		8-22-67	16.5	-1.5	
		9-13-67	17.5	-2.5	
13S/02E-06C01 M	26.0	12-12-66	24.8	1.2	2100
13S/02E-06B02 M	27.8	12-12-66	25.3	2.5	2100
13S/02E-06B03 M	30.0	12-12-66	(7)		2100

GILROY-HOLLISTER VALLEY 3-03.00

SOUTH SANTA CLARA COUNTY 3-03.01					
09S/03E-16T01 M	395.7	5-5-67	107.5	278.2	2400
09S/03E-21T02 M	361.6	5-8-67	71.4	290.2	2400
09S/03E-22B03 M	379.1	5-8-67	90.2	288.9	2400
09S/03E-23B01 M	362.5	5-8-67	84.6	277.9	2400
09S/03E-26F01 M	329.1	5-8-67	59.3	269.8	2400
09S/03E-27C02 M	347.0	10-7-66	103.4	246.3	2400
		11-7-66	103.8	243.2	
		12-7-66	104.9	242.1	
		1-10-67	106.8	240.2	
		2-4-67	102.8	244.2	
		3-8-67	81.7	265.3	
		4-10-67	75.6	271.4	
		5-8-67	63.2	283.8	
		6-7-67	61.3	285.7	
		7-8-67	(1)		
		8-14-67	65.5	281.5	
		9-12-67	65.2	281.8	
09S/03E-29B01 M	397.6	3-22-67	3.3	394.3	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

09S/03E-34D02 M	327.0	5-8-67	61.2	265.8	2400
09S/03E-34Q01 M	314.2	5-8-67	30.4	283.8	2400
09S/03E-36B02 M	309.3	5-8-67	72.7	236.6	2400
09S/03E-36F03 M	322.0	5-8-67	73.2	248.8	2400
10S/03E-02K03 M	290.0	10-25-66	83.9	206.1	5050
		11-18-66	(3)	207.8	
		12-15-66	78.8	211.2	
		1-16-67	(1)	224.8	
		2-15-67	42.1	247.9	
		3-17-67	38.1	251.9	
		4-27-67	28.7	261.3	
		5-15-67	29.8	260.2	
		8-22-67	(3)	246.8	
		9-13-67	41.2	248.8	
10S/03E-13T03 M	251.0	10-25-66	(2)	178.1	5050
		11-18-66	(8)	183.1	
		12-15-66	(8)	187.0	
		1-16-67	53.9	197.1	
		2-15-67	39.5	211.5	
		3-17-67	33.1	217.9	
		4-27-67	25.1	225.9	
		5-15-67	(1)	216.2	
		8-22-67	(1)	179.5	
		9-13-67	(1)		
10S/03E-36B03 M	220.0	10-25-66	38.2	181.8	5050
		11-18-66	(1)	181.4	
		12-15-66	35.9	184.1	
		1-16-67	34.6	185.4	
		2-15-67	36.5	183.5	
		3-17-67	35.8	184.2	
		4-27-67	31.7	188.3	
		5-15-67	28.6	191.4	
		8-22-67	32.6	187.4	
		9-13-67	33.8	186.2	
10S/04E-18C02 M	259.5	10-25-66	83.2	176.3	5050
		11-18-66	81.4	178.1	
		12-15-66	77.7	181.8	
		1-16-67	69.4	190.1	

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

108/04E-18002 M	259.5	2-15-67 3-17-67 4-27-67 5-15-67 8-22-67 9-13-67 (8) (8)	57.0 49.6 41.1 38.9 49.4 48.2	202.5 209.9 218.4 220.6 210.1 211.3	5050
108/04E-31004 M	197.5	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	44.5 38.5 33.5 29.5 19.5 16.5 18.5 13.5 18.5 25.5 28.5 26.5	153.0 159.0 164.0 168.0 178.0 181.0 179.0 184.0 179.0 172.0 169.0 171.0	5200
108/04E-35001 M	248.0	3-21-67	73.8	174.2	5050
118/04E-06001 M	197.2	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	53.0 46.0 40.0 37.0 27.0 23.0 20.0 17.0 22.0 31.0 33.0 32.0	144.2 151.2 157.2 162.0 170.2 174.2 180.2 175.2 166.2 164.2 165.2	5200
118/04E-06001 M	211.0	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	68.0 63.0 57.0 54.0 43.0 38.0 36.0 33.0 27.0 46.0	143.0 148.0 154.0 157.0 168.0 173.0 175.0 178.0 174.0 165.0 163.0 165.0	5200

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

118/04E-06001 M	191.5	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-13-67	51.0 44.0 39.0 35.0 25.0 21.0 18.0 15.0 20.0 23.0 31.0 30.0	140.5 147.5 152.5 156.5 166.5 170.5 173.5 176.5 171.5 163.5 160.5 161.5	5200
118/04E-06002 M	201.7	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-13-67	56.0 53.0 49.0 46.0 32.0 29.0 26.0 25.0 32.0 37.0 38.0 35.0	145.7 148.7 152.7 155.7 169.7 172.7 175.7 176.7 169.7 164.7 163.7 166.7	5200
118/04E-08002 M	179.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-27-67 5-15-67 8-22-67 9-13-67	37.0 34.2 29.4 25.5 18.1 15.8 10.0 10.5 24.5 24.2	142.0 144.8 149.6 153.5 160.6 163.2 169.0 168.5 154.5 154.8	5050

SAN BENITO COUNTY 3-03.02

118/05E-13001 M	255.7	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67	20.2 30.1 29.5 24.4 22.4	226.5 225.1 226.2 231.3 231.3	5050
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TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN BENITO COUNTY 3-03-02 (CONT.)					
12S/05E-35N02 M (CONT.)	255.7	3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	21.1 19.4 20.4 21.8 22.8	234.6 236.3 235.3 233.9 232.9	5050
12S/04E-20N01 M	152.9	3-1-67	29.5	123.4	5000
12S/05E-10N01 M	211.6	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	92.5 89.1 88.3 86.7 85.5 83.8 82.0 80.9 80.1 86.2	119.1 122.5 123.3 124.9 126.1 127.8 129.6 130.7 131.5 125.4	5050
12S/05E-12N04 M	215.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	90.6 91.5 91.4 89.3 88.3 86.8 83.6 80.4 78.3 78.8	124.4 123.5 123.6 125.7 126.7 128.2 131.4 134.6 136.7 136.2	5050
12S/05E-33N01 M	280.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	(8) (8) (8) (8) (4) (8) (8) (8) (8) (1)	189.4 192.0 192.4 192.4 193.0 182.0 194.9 186.1 198.1 188.8	5050
12S/05E-35N02 M	303.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67	157.8 149.9 153.1 143.5 139.4	145.2 153.1 159.5 163.6 166.5	5050
SAN BENITO COUNTY 3-03-02 (CONT.)					
12S/05E-35N02 M (CONT.)	303.0	3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	137.9 139.3 136.5 136.4 143.0	165.1 163.7 166.5 166.6 160.0	5050
13S/05E-11N01 M	325.5	3-1-67	71.6	253.9	5000
SALINAS VALLEY 3-04-00					
PRESSURE AREA 180 FOOT AQUIFER 3-04-01					
14S/02E-03N01 M	10.6	12-15-66	15.5	-4.9	2100
14S/02E-15N01 M	23.0	12-19-66	(6)		2100
15S/02E-01N01 M	42.0	10-18-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-17-67 5-16-67 6-18-67 7-16-67 8-13-67 9-13-67	(1) 42.7 35.1 33.7 31.2 29.7 29.7 (1) (1) (1) 56.1 56.4	-0.7 6.9 8.3 10.8 12.3 12.3 (1) (1) (1) -14.1 -14.4	2100
15S/03E-16N01 M	58.0	12-22-66	37.4	20.6	2100
15S/04E-33N01 M	125.0	12-20-66	86.3	38.7	2100
16S/04E-11N01 M	110.0	12-19-66	52.1	57.9	2100
PRESSURE AREA 400 FOOT AQUIFER 3-04-01					
13S/02E-31N01 M	11.0	12-13-66	11.4	-0.4	2100
14S/03E-18N01 M	69.0	10-17-66 11-18-66 12-15-66 1-18-67 2-15-67 3-20-67	91.8 80.0 70.4 72.5 (1) 70.7	-22.8 -11.0 -1.4 -3.5 (1) -1.7	2100

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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PRESSURE AREA 400 FOOT AQUIFER 3-04.01 (CONT.)

14S/03E-18701 M	69.0	4-17-67	65.0	4.0	2100
CONT.		5-16-67	(7)		
		6-18-67	83.1	-14.1	
		7-16-67	94.4	-25.4	
		8-13-67	97.3	-28.3	
		9-15-67	(1)		

EAST SIDE AREA 3-04.02

16E/05E-17701 M	181.0	12-13-66	109.9	71.1	2100
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ARROYO SECO CONE 3-04.04

18S/06E-15901 M	277.0	12-15-66	92.6	184.4	2100
19S/06E-11001 M	373.0	10-21-66	189.6	183.4	2100
		11-14-66	194.0	179.0	
		12-15-66	169.2	203.8	
		1-17-67	(1)		
		2-17-67	159.0	214.0	
		3-22-67	(1)		
		4-18-67	(9)		
		5-17-67	(1)		
		6-18-67	163.2	209.8	
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	(1)		

UPPER VALLEY AREA 3-04.05

19S/07E-10701 M	315.0	10-21-66	83.8	231.2	2100
		11-14-66	83.7	231.3	
		12-15-66	81.2	233.8	
		1-16-67	82.5	232.5	
		2-17-67	72.9	242.1	
		3-23-67	(1)		
		4-18-67	89.0	226.0	
		5-17-67	(1)		
		6-18-67	86.1	228.9	
		7-16-67	101.0	214.0	
		8-13-67	(1)		
		9-18-67	(1)		

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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UPPER VALLEY AREA 3-04.05 (CONT.)

20S/08E-05901 M	337.0	10-24-66	69.0	268.0	2100
		11-14-66	68.4	268.6	
		12-15-66	63.1	273.9	
		1-16-67	(1)		
		2-17-67	(1)		
		3-23-67	(1)		
		4-19-67	66.0	271.0	
		5-18-67	(1)		
		6-18-67	(1)		
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	68.3	268.7	
21S/09E-06101 M	344.0	12-19-66	(6)		2100
21S/10E-32901 M	400.0	12-19-66	24.2	375.8	2100
22S/10E-16901 M	472.0	12-19-66	72.0	400.0	2100
PASO ROBLES BASIN 3-04.06					
24S/10E-11001 M	620.0	10-5-66	(5)		5117
		4-00-67	(0)		
24S/11E-25901 M	603.3	4-28-67	36.8	566.5	5117
		8-31-67	41.8	561.5	
24S/11E-33901 M	565.0	4-28-67	32.0	533.0	5117
		9-29-67	32.0	533.0	
24S/11E-35701 M	616.8	10-5-66	62.3	554.5	5117
		5-4-67	61.7	555.1	
24S/12E-17901 M	770.0	10-00-66	(0)		5117
24S/15E-33001 M	1225.0	10-6-66	42.2	1182.8	5117
		5-9-67	36.0	1198.0	
25S/11E-35001 M	895.0	10-6-66	61.3	833.7	5117
		5-4-67	60.5	834.5	
25S/12E-17701 M	640.0	10-5-66	67.3	572.7	5117
		5-4-67	44.0	596.0	
25S/12E-17901 M	640.0	10-5-66	65.5	574.5	5117
		5-4-67	64.5	575.5	

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06 (CONT.)					
25S/12E-26X01 M	749.0	10-6-66 5-5-67	(1)	623.0 645.5	5117
25S/13E-11E01 M	1185.0	10-6-66		1136.0	5117
25S/16E-17E01 M	1165.0	10-6-66 5-9-67	(1)	1113.5 1133.5	5117
25S/16E-30X01 M	1218.0	10-6-66 5-9-67		1149.5 1150.0	5117
26S/12E-04X01 M	675.0	10-6-66 5-4-67		625.2 631.0	5117
26S/12E-26X01 M	840.0	10-4-66 5-2-67		627.5 649.0	5117
26S/12E-35X01 M	818.0	10-4-66 5-2-67		699.2 699.2	5117
26S/13E-10X01 M	800.0	10-6-66 5-5-67		763.5 786.9	5117
26S/13E-34X01 M	1005.0	10-7-66 5-5-67		844.7 849.4	5117
26S/14E-16E01 M	1018.0	10-6-66 5-9-67	(9)	(9)	5117
26S/14E-35X01 M	1135.0	10-10-66 5-9-67		1010.0 1018.2	5117
26S/15E-02X01 M	1115.0	10-6-66 5-9-67		1084.8 1083.2	5117
26S/15E-28X02 M	1112.0	10-10-66 5-10-67		1049.5 1053.3	5117
26S/15E-29X01 M	1133.0	10-10-66 5-10-67	(1)	986.0 1063.1	5117
27S/12E-21X01 M	748.0	10-3-66 5-2-67	(2)	728.0 742.5	5117
27S/13E-24X01 M	1030.0	10-7-66 5-10-67		65.6 7.3	5117
PASO ROBLES BASIN 3-04.06 (CONT.)					
27S/13E-32E01 M	1105.0	10-7-66		1043.1	5117
27S/15E-10E02 M	1130.0	10-10-66 5-10-67		1064.6	5117
27S/15E-13X01 M	1155.0	10-11-66 5-9-67		1131.8	5117
27S/16E-21E02 M	1255.0	10-11-66 5-10-67		1195.6 1194.3	5117
28S/12E-10X01 M	825.0	10-3-66 5-2-67	(1)	825.0	5117
28S/12E-10E02 M	805.0	10-4-66 4-8-67		775.0 797.8	5117
28S/12E-13X01 M	850.0	10-00-66	(0)		5117
28S/12E-14X01 M	824.6	10-3-66 5-2-67	4.0 -4.7	820.6 829.3	5117
28S/13E-04X01 M	1199.5	10-7-66 5-9-67	61.6 42.9	1137.9 1156.6	5117
28S/13E-04X02 M	1195.0	10-7-66 5-9-67	79.1 75.9	1115.9 1119.1	5117
28S/14E-07E01 M	1150.0	10-00-66	(0)		5117
28S/16E-23X01 M	1440.0	10-11-66	52.9	1387.1	5117
29S/13E-05X03 M	916.1	10-3-66 5-2-67	19.7 (9)	896.4	5117
29S/13E-05X02 M	928.0	10-4-66 5-2-67	16.8 5.8	911.2 922.2	5117
29S/13E-06X01 M	920.0	10-3-66 5-2-67	77.0 43.0	843.0 877.0	5117
29S/13E-19X01 M	1002.0	10-3-66 5-2-67	15.4 2.4	986.6 999.6	5117

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SEASIDE AREA 3-04.08

14S/02E-31M01 M	119.9	10-20-66	133.9	-14.0	5005
		11-00-66	(7)	-4.0	
		12-22-66	123.9	-3.5	
		1-20-67	123.4		
		2-00-67	(7)	-7.6	
		3-17-67	127.5	-2.1	
		4-20-67	122.0		
		5-00-67	(7)	-8.9	
		6-14-67	128.8	-9.6	
		7-5-67	129.5	-8.6	
		8-11-67	128.5	-13.0	
		9-15-67	132.9		
15S/01E-14M01 M	144.6	10-20-66	114.1	30.5	5005
		11-00-66	(7)	37.3	
		12-22-66	107.3	36.6	
		1-20-67	108.0		
		2-00-67	(7)	37.6	
		3-17-67	107.0		
		4-20-67	107.0	37.6	
		5-00-67	(7)	31.9	
		6-14-67	112.7	27.2	
		7-5-67	117.4	26.7	
		8-11-67	117.9	25.2	
		9-15-67	119.4		

CARMEL VALLEY 3-07.00

16S/01E-16M01 M	75.0	1-9-67	19.0	56.0	2100
16S/01E-22M01 M	82.0	1-9-67	20.0	62.0	2100
16S/01E-23M01 M	109.0	1-10-67	29.6	79.4	2100
16S/01E-25M01 M	140.0	1-10-67	34.0	106.0	2100

WEST SANTA CRUZ TERRACE 3-26.00

11S/02W-21M01 M	65.0	12-12-66	(8)	58.3	5102
		5-22-67	(1)		
11S/02W-22M01 M	30.0	12-12-66	(8)	77.8	5102
		5-22-67	55.5	-47.8	
				-25.5	

TABLE C-3
CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED
REPORTS OF GROUND WATER DATA
CENTRAL COASTAL AREA

		Location of Error or Revision		:	Change or Revision	
Report	Pages	State Well Number	Item	:	From	To
<u>1958</u>						
Bull. No. 77-58	A-17 & B-34	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation		666.0	641.0
<u>1959</u>						
Bull. No. 77-59	A-14 & B-16	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	A-15 & B-18	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	B-8	15N/12W-8L1	Reference Point Elevation		666.0	641.0
<u>1960</u>						
Bull. No. 77-60	A-17 & B-22	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	A-18 & B-24	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation		666.0	641.0
<u>1961</u>						
Bull. No. 77-61	A-10 & B-21	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	A-11 & B-23	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	B-9 & B-10	15N/12W-8L1	Reference Point Elevation		665.0	641.0
<u>1962</u>						
Bull. No. 77-62	44 & 89	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	45 & 91	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	77	15N/12W-8L1	Ground Surface Elevation		665.0	640.0
<u>1963</u>						
Bull. No. 130-63	C-12 & C-26	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	C-13 & C-28	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	C-16	15N/12W-8L1	Ground Surface Elevation		665.0	640.0
<u>1964</u>						
Bull. No. 130-64	66 & 80	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	67 & 81	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	70	15N/12W-8L1	Ground Surface Elevation		665.0	640.0
<u>1965</u>						
Bull. No. 130-65	82 & 102	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	83 & 106	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	87	15N/12W-8L1	Ground Surface Elevation		665.0	640.0
<u>1966</u>						
Bull. No. 130-66	73	7S/2W-3Q1	State Well Number		7S/2W-3Q1	7S/2W-3P1
	76	7S/5W-13E1	State Well Number		7S/5W-13E1	7S/5W-14C1
	61	15N/12W-8L1	Ground Surface Elevation		665.0	640.0
	76	5S/5W-10J1	State Well Number		5S/5W-10J1	5S/6W-10J1

Appendix D
SURFACE WATER QUALITY

INTRODUCTION

This appendix presents surface water quality data collected during the period from October 1, 1966, through September 30, 1967. The data were collected from 37 stream and estuarine stations in the Central Coastal Area in cooperation with other state, local, and federal agencies.

At the time of sample collection, dissolved oxygen, pH, temperature, and Secchi disk (if possible) measurements were made and gage height and time noted. Comments on local conditions were noted in field books which are available in the files of the Department of Water Resources.

The mineral constituents were determined in accordance with methods presented in the U. S. Geological Survey Water Supply Paper 1454, "Methods for Collection and Analyses of Water Samples".

Each station in this appendix has a station number which has been derived by adding a decimal and two digits to a related surface water measurement station number. The numbering system for surface water measurement stations is described in the departmental publication entitled "Index of Stream Gaging Stations in and Adjacent to California, 1966". For reference to previous reports, sequential station numbers, used in the past, follow each station name.

FIGURE 0-1



SPECIFIC CONDUCTANCE

DAILY MEAN

ALAMEDA CREEK NEAR NILES (STA. E51150.00)

1966 - 67 WATER YEAR

TABLE D-1
SAMPLING STATION DATA AND INDEX
CENTRAL COASTAL AREA

Station	Station Number	Location M D B B M	Beginning Of Record	Frequency Of Sampling	Analyses On Page
ALAMEDA CREEK NEAR NILES (73)	E51150.00	4S/1W-15	Dec. 1951	Monthly	101, 106, 117, 123
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	4S/2E-4	July 1958	Bimonthly	102, 106
BIG RIVER NEAR MOUTH (8c)	F82720.00	17N/17W-24	Jan. 1959	Bimonthly	103, 107
CARMEL RIVER AT ROBLES DEL RIO (83)	D41200.00	17S/2E-2	Jan. 1952	Bimonthly	96, 106
COLLINSVILLE (236)	E31110.00	3N/1E-27	1924	Four-day	109
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9S/3E-9	Jan. 1952	Bimonthly	102, 106
CROCKETT (237)	E03100.90	3N/3W-32	1946	Four-day	109
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9e)	F81100.00	10N/14W-22	Jan. 1959	Bimonthly	102, 107
LOS GATOS CREEK AT LOS GATOS (74)	E65250.00	8N/1W-29	Dec. 1951	Bimonthly	102, 106
MARTINEZ (239)	E03300.10	2N/2W-7	1926	Four-day	109
MIDDLE POINT (255)	E03200.00	2N/1W-4	Jan. 1964	Four-day	109
MONTEREY BAY AT SANTA CRUZ (120)	D08C61.52	11S/1W-19	July 1965	Bimonthly	93, 113, 120
NACIMIENTO RIVER NEAR SAN MIGUEL (43b)	D33520.00	25S/11E-4	July 1958	Bimonthly	96, 106
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	4N/4W-9	Sept. 1965	Bimonthly	100, 106, 117, 123
NAPA RIVER NEAR ST. HELENA	E31500.00	8N/5W-33	Dec. 1951	Bimonthly	100, 106
NOYO RIVER NEAR FORT BRAGG (10c)	F83080.50	18N/17W-10	Jan. 1959	Bimonthly	103, 107
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	12S-3E-12	Dec. 1951	Bimonthly	93, 106, 113, 120
PITTSBURG (240)	B91070.10	2N/1E-5	1945	Four-day	109
PORT CHICAGO (241)	E03200.90	3N/2W-36	1946	Four-day	109
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	8N/10W-32	Apr. 1951	Bimonthly	103, 107, 117, 123
RUSSIAN RIVER NEAR HEALDSBURG (9)	F91500.00	9N/9W-22	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER NEAR HOPLAND (8a)	F91765.00	14N/12W-36	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)	F94900.00	17N/11W-6	May 1951	Bimonthly	104, 107
SALINAS RIVER NEAR BRADLEY (43c)	D21850.00	23S/10E-15	July 1958	Bimonthly	95, 106
SALINAS RIVER AT PASO ROBLES (43a)	D31450.00	26S/12E-28	Apr. 1951	Bimonthly	95, 106
SALINAS RIVER NEAR SPRECKLES (43)	D21220.00	15S/3E-18	Apr. 1951	Bimonthly	94, 106, 113, 120
SAN ANTONIO RIVER NEAR PLEYTO (43d)	D32200.00	24S/9E-3	July 1958	Bimonthly	95, 106
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)	D12450.00	15S/7E-28	July 1958	Bimonthly	94, 106
SAN FRANCISCO BAY AT FORT POINT	E0GJ47.72	15/6W-25	Oct. 1964	Monthly	98, 115, 121
SAN FRANCISCO BAY AT TREASURE ISLAND	E0GH59.55	15/5W-26	July 1965	Monthly	97, 114, 121
SAN FRANCISCO BAY AT COYOTE POINT	E0EH75.27	4S/4W-17	Dec. 1966	Monthly	121
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	E0EG85.33	4S/3W-9	Oct. 1964	Monthly	96, 114, 120
SAN JOAQUIN RIVER BY ANTIOCH	B95010.01	2N/1E-1	Oct. 1966	Monthly	112, 119
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	10S/2W-27	Dec. 1951	Bimonthly	93, 106, 113, 120
SAN PABLO BAY AT POINT SAN PABLO	E0HJ74.01	1N/5W-5	Jan. 1964	Monthly	98, 115, 122
SOQUEL CREEK AT SOQUEL (76)	D03100.00	11S/1W-10	Dec. 1951	Bimonthly	93, 106
SUISUN BAY AT BENICIA	E0JG30.19	2N/3W-12	Jan. 1966	Monthly	99, 116, 122
UVAS CREEK NEAR MORGAN HILL (96)	D11371.50	10S/3E-17	July 1952	Bimonthly	94, 106

Mineral Analyses of Surface Water

Some of the column headings in the following table include:

- Lab - The laboratory which analyzed the sample.
- 5000 indicates the U. S. Geological Survey laboratory.
- 5050 indicates the Department of Water Resources laboratory at Bryte.
- G.H. - The instantaneous gage height in feet above an established datum.
- Q - The instantaneous discharge measured in cubic feet per second (cfs).
- DO - The dissolved oxygen content in milligrams per liter is listed first and is followed by the percent saturation.
- EC - The specific electrical conductance in micromhos at 25° Centigrade.
- TDS - Gravimetric determination of total dissolved solids in milligrams per liter.
- SUM - Determined by adding amounts of analyzed constituents.
- TH - Total hardness represents the sum of concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate.
- NCH - Noncarbonate hardness represents any excess of total hardness over the total alkalinity.

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER TDS				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH	
D01200.00 SAN LORENZO RIVER AT BIG TREES (75)																				
D01200.00 11/15/66 1100	1.46 36	10.8 108	59.07	8.1 7.9	346	36 1.80	7.0 0.58	22 28	2.3 0.06	0 0.00	116 1.90	--	23 0.65	--	--	0.1	--	--	119 24	
D01200.00 1/18/67 1120	1.32 36	10.9 92	46.07	8.4 8.0	387	43 2.15	9.2 0.76	23 25	1.6 0.04	3 0.10	130 2.13	--	22 0.62	--	--	0.0	--	--	146 34	
D01200.00 5/3/67 0800	2.86 288	10.6 95	50.07	8.2 7.7	315	37 1.85	7.9 0.65	16 22	1.5 0.04	0 0.00	111 1.82	51 1.06	13 0.37	0.5 0.01	--	0.0	22	216 204	125 34	
D01200.00 7/18/67 0900	1.42 39	9.7 98	60.07	8.3 7.7	368	--	--	19 0.83	--	0 0.00	129 2.11	--	18 0.51	--	--	0.0	--	--	139 33	
D01200.00 9/6/67 1015	0.99 28	9.7 101	63.07	8.0 7.8	361	--	--	20 0.87	--	0 0.00	132 2.16	--	20 0.56	--	--	0.0	--	--	128 20	
D03100.00 SOQUEL CREEK AT SOQUEL (76)																				
D03100.00 12/17/66 1400	3.10 25	10.6 102	57.07	8.5 8.3	653	63 3.14	1.9 1.56	45 29	3.3 0.08	9 0.30	158 2.59	--	49 1.38	--	--	0.2	--	--	235 91	
D03100.00 1/17/67 1630	2.06 11	13.5 119	50.07	8.5 8.2	803	82 4.09	24 1.97	55 23	4.0 0.10	10 0.33	220 3.61	--	60 1.69	--	--	0.0	--	--	303 106	
D03100.00 5/2/67 1645	4.31 90	9.8 98	60.07	8.2 8.1	514	59 2.94	16 1.32	25 20	2.4 0.06	0 0.00	163 2.67	109 2.27	16 0.45	0.5 0.01	--	0.0	21	360 329	213 79	
D0661.52 MONTREY BAY AT SANTA CRUZ (120)																				
D0661.52 1/18/67 0830	10.6 114	10.6 114	48.07	8.1 8.2	50300	--	--	9900 413.25	--	0 0.00	139 2.28	--	19300 544.45	--	--	3.4	--	--	6640 6590	
D11250.00 PAJARO RIVER AT CHITTENDEN (77)																				
D11250.00 11/30/66 1010	2.69 1.8	9.2 91	58.07	8.5 7.8	1330	52 2.59	70 5.76	141 42	4.4 0.11	31 1.03	388 6.36	--	133 3.75	--	--	0.6	--	--	418 47	
D11250.00 1/12/67 0810	2.68 1.6	10.0 88	49.07	8.3 7.9	1490	102 5.09	82 6.75	112 29	3.6 0.09	8 0.27	398 6.52	--	118 3.33	--	--	0.7	--	--	592 253	
D11250.00 3/9/67 1015	3.08 78	9.9 83	50.07	8.4 7.8	994	75 3.74	56 4.61	65 25	1.6 0.04	8 0.27	288 4.72	--	64 1.81	--	--	0.3	--	--	418 169	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN CHITTENDEN (77) (CONT.)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
						CA	MG	NA	K	C03	HC03	SO4	CL	N03	F	B	SiO2	SUM	TDS	TH	NCH								
						D11250.00 PAJARO RIVER AT CHITTENDEN (77) (CONT.)																							
D11250.00 5/18/67 1020	3.23 150	7.8 82	64.0F 8.0	7.8 8.0	743	57 2.84	38 3.13	45 1.96	2.0 0.05	0 0.00	272 4.46	101 2.10	44 1.24	13 0.21	--	0.2	16	468 450	298 75										
D11250.00 7/18/67 0715	19	7.1 75	65.0F 8.1	8.5 8.1	1410	--	--	104 4.52	--	13 0.43	436 7.15	--	106 2.99	--	--	0.6	--	--	--	547 168									
D11250.00 9/6/67 0730	1.05 50	6.8 73	66.0F 8.2	8.3 8.2	1390	--	--	114 4.96	--	0 0.00	486 7.96	--	120 3.38	--	--	0.6	--	--	--	511 113									
D11371.50 11/18/66 0910		13.5 127	54.0F 7.8	8.5 7.8	408	37 1.85	23 1.89	14 0.61	1.2 0.03	9 0.30	189 3.10	--	8.6 0.24	--	--	0.1	--	--	--	187 17									
D11371.50 1/17/67 1450		10.0 89	50.0F 7.9	8.5 7.9	325	34 1.70	16 1.32	10 0.44	1.0 0.03	6 0.20	155 2.54	--	6.8 0.19	--	--	0.1	--	--	--	151 14									
D11371.50 5/2/67 1520	120 est.	9.6 99	62.0F 8.0	8.1 8.0	256	26 1.30	13 1.07	8.0 0.35	0.9 0.02	0 0.00	135 2.21	19 0.40	5.1 0.14	0.6 0.01	--	0.0	17	166 157	118 7										
D12450.00 SAN BENITO RIVER NEAR VALLEY FIRE STATION (77a)																													
D12450.00 11/25/66 1330	4.56 0.5	13.1 156	60.0F 8.6	8.7 8.6	2120	46 2.30	121 9.95	276 12.01	4.4 0.11	41 1.37	540 8.85	--	184 5.19	--	--	2.0	--	--	--	612 100									
D12450.00 1/10/67 1300	4.58 2.9	11.2 118	62.0F 8.0	8.6 8.0	1610	38 1.90	117 9.62	168 7.31	3.2 0.08	110 3.67	422 6.92	--	106 2.99	--	--	1.4	--	--	--	576 46									
D12450.00 5/16/67 1020	4.45 40	9.4 101	64.0F 8.8	8.6 8.8	876	31 1.55	79 6.50	56 2.44	2.2 0.06	20 0.67	403 6.61	103 2.14	28 0.79	0.5 0.01	--	0.6	8.0	584 526	402 39										
D121220.00 SALINAS RIVER NEAR SPRECKELS (43)																													
D121220.00 11/30/66 0810	7.12 1.5	2.9 29	60.0F 7.4	7.9 7.4	1140	53 2.64	32 2.63	138 6.00	12 0.31	0 0.00	200 3.28	--	130 3.67	--	--	0.4	--	--	--	264 100									
D121220.00 1/12/67 0658	9.06 160	4.5 39	48.0F 7.5	8.5 7.5	917	81 4.04	34 2.80	69 3.00	4.4 0.11	14 0.47	230 3.77	--	60 1.69	--	--	0.2	--	--	--	342 130									
D121220.00 3/6/67 0830	9.64 305	5.0 42	47.0F 7.2	8.5 7.2	838	77 3.84	32 2.63	60 2.61	3.1 0.08	8 0.27	2.28 3.74	--	48 1.35	--	--	0.2	--	--	--	324 124									

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH						
						D21220.00 SALINAS RIVER NEAR SPENCELS (43) (CONT.)																			
D21220.00 5/18/67 0730	9.86 455	8.5 92	67.0F	8.3 8.3	740	71 3.54	28 2.30	49 2.13	2.9 0.07	2 0.07	230 3.77	141 2.94	50 1.41	2.9 0.05	--	0.2	23	496 483	292 100						
D21220.00 7/18/67 0515	6.74 82	7.8 82	65.0F	8.3 8.0	739	--	--	50 2.18	--	0 0.00	210 3.44	--	39 1.10	--	--	0.2	--	--	273 101						
D21220.00 9/6/67 0530	8.10 285	8.5 93	68.0F	7.8 8.0	356	--	--	15 0.65	--	0 0.00	137 2.24	--	11 0.31	--	--	0.0	--	--	140 28						
D21850.00 SALINAS RIVER NEAR BRADLEY (43c)																									
D21850.00 11/26/66 1030	4.45 150	10.8 101	53.0F	8.1	Sample Lost																				
D21850.00 1/11/67 1000	3.62 66	10.7 96	50.0F	8.6 8.2	898	81 4.04	32 2.63	66 2.87	2.8 0.07	18 0.60	252 4.13	--	52 1.47	--	--	0.2	--	--	334 98						
D21850.00 5/17/67 1015	4.70 320	7.7 92	75.0F	8.3 8.2	648	65 3.24	26 2.14	39 1.70	2.2 0.06	4 0.13	237 3.88	99 2.06	33 0.93	1.3 0.02	--	0.1	20	418 407	269 68						
D31450.00 SALINAS RIVER AT PASO ROBLES (43a)																									
D31450.00 11/26/66 0800	0.0																								
D31450.00 1/10/67 1605		10.8		8.5 8.1	822	50 4.49	32 2.63	46 2.00	2.4 0.06	12 0.40	272 4.46	--	40 1.13	--	--	0.1	--	--	336 113						
D31450.00 5/16/67 1455		6.9 91	85.0F	8.3 8.2	696	79 3.94	30 2.47	30 1.30	1.8 0.05	4 0.13	263 4.31	110 2.29	40 1.13	2.1 0.03	--	0.0	20	468 446	320 98						
D32200.00 SAN ANTONIO RIVER NEAR FLETCH (43d)																									
D32200.00 11/25/66 1545	0.5 est.	11.2 120	66.0F	8.6 8.6	446	49 2.45	16 1.32	23 2.1	1.6 0.04	8 0.27	170 2.79	--	14 0.39	--	--	0.0	--	--	188 35						
D32200.00 1/11/67 0905	50 est.	10.9 101	52.0F	8.4 8.4	418	51 2.54	15 1.23	16 1.4	1.4 0.04	3 0.10	165 2.70	--	9.0 0.25	--	--	0.0	--	--	188 48						

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS	TH	NCH
D33520.00 MCCLINTOCK RIVER NEAR SAN MIGUEL (436)																				
D33520.00 11/26/66 0930	130 est.	9.6 90	53.0F	8.4 7.9	339	34 1.70	17 1.40	12 0.52	1.5 0.04	4 0.13	4 2.36	--	8.0 0.23	--	--	0.0	--	--	155 30	
D33520.00 11/11/67 0740		9.2 83	50.0F	8.4 7.6	370	40 2.00	18 1.48	13 0.57	1.3 0.03	4 0.13	4 2.62	--	9.0 0.25	--	--	0.0	--	--	174 36	
D33520.00 5/17/67 0950		7.5 83	67.0F	7.8 7.8	270	29 1.45	12 0.99	8.8 0.38	1.3 0.03	0 0.00	120 1.97	32 0.67	7.0 0.20	0.4 0.01	--	0.0	9.1	162 159	122 24	
D41200.00 CARMEL RIVER AT ROULES DEL RIO (84)																				
D41200.00 11/30/66 0700	0.0																			
D41200.00 1/11/67 1200	2.45 21	13.2 115	49.0F	8.2 7.8	270	26 1.30	9.2 0.76	15 0.65	2.0 0.05	0 0.00	106 1.74	--	12 0.34	--	--	0.0	--	--	103 16	
D41200.00 5/17/67 1335	3.69 165	8.9 96	67.0F	8.0 8.1	238	23 1.15	8.2 0.67	12 0.52	2.0 0.05	0 0.00	100 1.64	24 0.50	10 0.28	0.4 0.01	--	0.0	22	163 151	91 9	
E0085.33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE																				
E0085.33 10/19/66 1040		6.9 84	60.0F	-- 8.0	50100	--	--	--	--	--	--	--	18800	--	--	--	--	34100	--	
E0085.33 11/17/66 1030		7.4 89	59.0F	-- 8.2	49100	--	--	--	--	--	--	--	18100	--	--	--	--	--	--	
E0085.33 12/16/66 1030		7.6 78	50.0F	-- 8.1	40800	--	--	--	--	--	--	--	14100	--	--	--	--	27300	--	
E0085.33 1/27/67 1005		9.2 94	50.0F	-- 8.2	38200	--	--	--	--	--	--	--	13400	--	--	--	--	24300	--	
E0085.33 2/24/67 1015		13.0 124	47.0F	-- 8.0	30000	--	--	--	--	--	--	--	10900	--	--	--	--	20000	--	
E0085.33 3/29/67 1230		10.2 100	48.0F	-- 7.2	34600	--	--	--	--	--	--	--	119000	--	--	--	--	22400	--	
E0085.33 4/27/67 1235		9.7 103	56.0F	-- 8.2	30000	--	--	--	--	--	--	--	10500	--	--	--	--	20100	--	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTIVE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH	NCH		
BOBBS-33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)																							
BOBBS-33 5/26/67 0600	5050		7.7 88	62.0F	-- 8.2	29700	--	--	--	--	--	--	--	10700	--	--	--	20300	--				
BOBBS-33 6/22/67 1110	5050		8.4 100	65.0F	--	35400	--	--	--	--	--	--	--	12200	--	--	--	22900	--				
BOBBS-33 8/22/67 0815	5050		7.2 90	68.0F	-- 8.2	41100	--	--	--	--	--	--	--	13500	--	--	--	26900	--				
BOBBS-55 SAN FRANCISCO BAY AT TREASURE ISLAND																							
BOBBS-55 10/19/66 0745	5050		7.4 89	58.0F	-- 7.2	49300	--	--	--	--	--	--	--	18800	--	--	--	34000	--				
BOBBS-55 11/17/66 0710	5050		9.3 110	58.0F	-- 7.2	47200	--	--	--	--	--	--	--	17900	--	--	--	--	--				
BOBBS-55 12/15/66 0750	5050		8.5 89	53.0F	-- 8.4	33400	--	--	--	--	--	--	--	11900	--	--	--	22900	--				
BOBBS-55 1/27/67 0600	5050		9.6 96	49.0F	--	33400	--	--	--	--	--	--	--	12400	--	--	--	22900	--				
BOBBS-55 2/24/67 0602	5050		8.0 85	52.0F	--	39400	--	--	--	--	--	--	--	14200	--	--	--	25600	--				
BOBBS-55 3/29/67 0820	5050		--	47.0F	-- 8.2	36700	--	--	--	--	--	--	--	12700	--	--	--	23700	--				
BOBBS-55 4/27/67 0720	5050		8.8 92	53.0F	-- 8.2	32600	--	--	--	--	--	--	--	11700	--	--	--	22400	--				
BOBBS-55 5/26/67 0800	5050		7.6 87	61.0F	-- 8.0	37000	--	--	--	--	--	--	--	12600	--	--	--	24400	--				
BOBBS-55 6/22/67 0645	5050		7.1 79	57.0F	-- 8.0	38600	--	--	--	--	--	--	--	13600	--	--	--	25200	--				
BOBBS-55 8/21/67 0650	5050		6.6 79	62.0F	-- 8.1	46800	--	--	--	--	--	--	--	15000	--	--	--	33200	--				

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION DATE TIME	NUMBER LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLO -PH	EC LAB FLO	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH	NCH
E00347.72 SAN FRANCISCO BAY AT FORT POINT																					
E00347.72 10/19/66 0842	5050		7.8 93	58.0P 8.0	--	--	--	--	--	--	--	--	--	18800	--	--	--	34500	--	--	
E00347.72 11/17/66 0830	5050		8.0 94	57.0P 8.2	--	--	--	--	--	--	--	--	--	18300	--	--	--	--	--	--	
E00347.72 12/15/66 0915	5050		8.9 94	53.0P 8.3	--	--	--	--	--	--	--	--	--	13000	--	--	--	25000	--	--	
E00347.72 1/27/67 0720	5050		9.2 95	50.0P 7.4	--	--	--	--	--	--	--	--	--	13700	--	--	--	25400	--	--	
E00347.72 2/23/67 0558	5050		9.3 93	46.0P 8.1	--	--	--	--	--	--	--	--	--	15300	--	--	--	29400	--	--	
E00347.72 3/29/67 1000	5050		-- 7.2	46.0P 7.2	--	--	--	--	--	--	--	--	--	12600	--	--	--	24300	--	--	
E00347.72 4/27/67 0900	5050		8.9 94	53.0P 8.2	--	--	--	--	--	--	--	--	--	12600	--	--	--	24400	--	--	
E00347.72 5/26/67 0930	5050		7.3 81	58.0P 8.2	--	--	--	--	--	--	--	--	--	12400	--	--	--	24400	--	--	
E00347.72 6/22/67 0830	5050		7.5 87	61.0P --	--	--	--	--	--	--	--	--	--	13500	--	--	--	25300	--	--	
E00347.72 8/21/67 0820	5050		6.6 78	60.0P 8.1	--	--	--	--	--	--	--	--	--	15800	--	--	--	34100	--	--	
E00374.01 SAN PABLO BAY AT FORT POINT SAN PABLO																					
E00374.01 10/20/66 0750	5050		7.2 85	59.0P --	--	--	--	--	--	--	--	--	--	16800	--	--	--	31200	--	--	
E00374.01 11/17/66 1200	5050		7.6 89	60.0P 8.0	--	--	--	--	--	--	--	--	--	14600	--	--	--	--	--	--	
E00374.01 12/14/66 0930	5050		9.1 88	52.0P 7.9	--	--	--	--	--	--	--	--	--	5910	--	--	--	11400	--	--	
E00374.01 1/28/67 0815	5050		9.3 87	48.0P 7.8	--	--	--	--	--	--	--	--	--	7770	--	--	--	14100	--	--	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	SUM	TDS	TH NCH		
ED0174.01 SAN PABLO BAY AT POINT SAN PABLO (CONT.)																							
ED0174.01 2/24/67 0830	5050		8.5 80	46.0P	-- --	29700	--	--	--	--	--	--	--	10800	--	--	--	--	19700	--			
ED0174.01 3/30/67 0945	5050		10.1 87	45.0P	-- 7.2	12200	--	--	--	--	--	--	--	3780	--	--	--	--	7340	--			
ED0174.01 4/26/67 0900	5050		9.6 91	53.0P	-- --	10500	--	--	--	--	--	--	--	3150	--	--	--	--	6310	--			
ED0174.01 5/24/67 0730	5050		7.9 85	63.0P	-- 7.7	15100	--	--	--	--	--	--	--	4800	--	--	--	--	9450	--			
ED0174.01 6/21/67 0830	5050		7.7 82	61.0P	-- --	17000	--	--	--	--	--	--	--	6130	--	--	--	--	10500	--			
ED0174.01 8/22/67 0940	5050		7.6 91	66.0P	-- 8.0	35100	--	--	--	--	--	--	--	11200	--	--	--	--	23500	--			
ED0630.19 SUITSUN BAY AT BENICIA																							
ED0630.19 10/20/66 0920	5050		8.0 91	64.0P	-- --	23200	--	--	--	--	--	--	--	8190	--	--	--	--	15000	--			
ED0630.19 11/16/66 1140	5050		8.1 89	63.0P	-- 7.0	13000	--	--	--	--	--	--	--	6130	--	--	--	--	--	--			
ED0630.19 12/11/66 1140	5050		9.7 86	50.0P	-- 7.3	368	--	--	--	--	--	--	--	60	--	--	--	--	219	--			
ED0630.19 1/26/67 1015	5050		11.0 95	48.0P	-- 7.3	558	--	--	--	--	--	--	--	110	--	--	--	--	344	--			
ED0630.19 2/23/67 0830	5050		12.2 102	45.0P	-- 8.0	3740	--	--	--	--	--	--	--	1030	--	--	--	--	2040	--			
ED0630.19 3/30/67 1225	5050		--	47.0P	-- 7.2	467	--	--	--	--	--	--	--	78	--	--	--	--	258	--			

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH	NCH					
EJ030.19 SUISUN BAY AT BENICIA (CONT.)																										
EJ030.19 4/28/67 1100	5050		10.1 96	56.0F 7.5	-- 7.5	424	--	--	--	--	--	--	63	--	--	--	--	--	249	--	--					
EJ030.19 5/24/67 1015	5050		8.1 87	67.0F 7.7	-- 7.7	344	--	--	--	--	--	--	55	--	--	--	--	--	190	--	--					
EJ030.19 6/21/67 0935	5050		8.2 88	66.0F --	-- --	358	--	--	--	--	--	--	82	--	--	--	--	--	200	--	--					
EJ030.19 8/21/67 1040	5050		7.5 85	68.0F 7.8	-- 7.8	13000	--	--	--	--	--	--	3920	--	--	--	--	--	8130	--	--					
E31100.50 NAPA RIVER AT DUTTON LANDING (72a)																										
E31100.50 11/16/66 0750	5000		6.5 70	59.0F 7.5	7.6 7.5	27000	213 10.63	650 53.47	5350 232.72	180 4.60	120 1.97	--	9350 263.76	--	--	2.1	--	--	3200 3100	--	--					
E31100.50 1/27/67 0850	5000		8.8 77	49.0F 7.8	7.7 7.8	387	13 0.65	12 0.99	43 1.87	3.4 0.09	0 0.00	67 1.10	63 1.78	--	--	0.1	--	--	82 27	--	--					
E31100.50 3/30/67 1050	5000		8.1 76	55.0F 7.2	8.1 7.2	942	20 1.00	22 1.81	135 5.87	4.8 0.12	0 0.00	86 1.41	214 6.04	--	--	0.1	--	--	140 69	--	--					
E31100.50 5/24/67 0700	5000		5.8 66	71.0F 7.5	7.8 7.5	4120	43 2.15	90 7.40	660 28.71	24 0.61	0 0.00	122 2.00	1150 32.44	--	--	0.4	--	478 378	--	--						
E31100.50 8/22/67 0925	5050		5.8 69	72.0F 7.6	-- 7.6	17200	--	--	--	--	--	--	5260 143.38	--	--	--	--	11400	--	--						
E31500.00 NAPA RIVER NEAR ST. HELENA (72)																										
E31500.00 11/1/66 1540	5000	3.18 0.5	8.4 92	68.0F 7.4	8.5 7.4	363	32 1.60	17 1.40	21 0.91	2.0 0.05	6 0.20	178 2.92	14 0.39	--	--	0.3	--	--	150 0	--	--					
E31500.00 1/4/67 0950	5000	1.20 26	8.9 78	49.0F 7.1	7.9 7.1	246	18 0.90	8.8 0.72	17 0.74	22 0.06	0 0.00	91 1.49	13 0.37	--	--	0.2	--	--	81 6	--	--					
E31500.00 5/10/67 1030	5000	1.74 72	9.8 96	58.0F 7.4	7.7 7.4	189	17 0.85	7.8 0.64	12 0.52	1.9 0.05	0 0.00	87 1.43	14 0.29	8.7 0.25	5.0 0.08	--	0.1	36	158 146	74 3	--					

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER TDS SUM NCH				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TH	NCH
						E51150.00 ALAMEDA CREEK NEAR MILES (73)														
E51150.00 10/27/66 1225	2.95 31	11.8 118	60.0F 8.5 8.0	666	33 1.65	18 1.48	72 3.13	3.0 0.08	8 0.27	125 2.05	--	101 2.85	--	--	0.3	--	--	156 40		
E51150.00 11/16/66 1245	2.92 29	9.7 97	60.0F 8.5 7.9	800	41 2.05	22 1.81	86 3.74	4.0 0.10	39 1.30	112 1.84	--	110 3.10	--	--	0.4	--	--	193 36		
E51150.00 12/20/66 1130	2.84 7.5	9.9 90	52.0F 8.4 7.9	860	64 3.19	32 2.63	72 3.13	3.4 0.09	4 0.13	262 4.29	--	88 2.48	--	--	0.6	--	--	291 70		
E51150.00 1/26/67 0700	4.70 655	8.1 73	52.0F 8.1 7.6	304	26 1.30	12 0.99	18 0.78	2.1 0.05	0 0.00	121 1.98	--	14 0.39	--	--	0.2	--	--	114 15		
E51150.00 2/20/67 1300	2.95 30	13.6 123	52.0F 8.5 8.4	823	68 3.39	34 2.80	64 2.78	3.6 0.09	10 0.33	252 4.13	--	69 1.95	--	--	0.6	--	--	310 87		
E51150.00 3/29/67 1235	3.46 100	11.0 101	53.0F 8.3 8.3	1498	41 2.05	20 1.65	37 1.61	2.1 0.05	3 0.10	178 2.92	--	34 0.96	--	--	0.4	--	--	185 34		
E51150.00 4/29/67 1120	3.99 274	10.5 97	54.0F 8.2 8.0	357	33 1.65	15 1.23	21 0.91	1.7 0.04	0 0.00	160 2.62	--	14 0.39	--	--	0.2	--	--	144 13		
E51150.00 5/9/67 0910	3.40 87	9.1 95	64.0F 8.0 8.7	752	63 3.14	33 2.71	60 2.61	3.1 0.08	0 0.00	298 4.72	90 1.87	66 1.86	5.8 0.09	--	0.5	13	500 476	292 56		
E51150.00 6/14/67 1020	2.84 20	9.2 97	65.0F 8.4 8.2	915	72 3.59	38 3.13	72 3.13	3.6 0.09	8 0.27	296 4.85	--	80 2.26	--	--	0.5	--	--	336 80		
E51150.00 7/5/67 1133	2.60 8.4	8.9 106	77.0F 8.6 8.3	1120	--	--	87 3.78	--	14 0.47	332 5.44	--	106 2.99	--	--	1.0	--	--	304 98		
E51150.00 8/17/67 0640	2.77 16	7.5 84	71.0F 8.1 8.3	740	--	--	65 2.83	--	0 0.00	338	--	79 2.23	--	--	0.5	--	--	224 55		
E51150.00 9/7/67 1015	2.92 23	8.6 96	70.0F 8.1 8.1	652	--	--	60 2.61	--	0 0.00	198 2.99	--	78 2.20	--	--	0.4	--	--	175 45		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLO -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH	NCH
E51400.00 AROYO DEL VALLE NEAR LIVERMORE (71)																					
E51400.00 12/1/66 1250	5000	2.20 1.6	9.6 92	55.0P	8.3 7.9	997	82 4.09	45 3.70	71 3.05	2.0 0.05	4 0.13	376 6.16	--	84 2.37	--	1.0	--	-- 390 75			
E51400.00 1/13/67 0830	5000	2.29 3.8	15.0 138	52.0P 7.9	8.3 7.9	639	55 2.74	33 2.71	36 1.57	1.6 0.04	3 0.10	269 4.41	--	31 0.87	--	0.4	--	-- 272 46			
E51400.00 5/9/67 1150	5000	2.64 24	8.9 90	60.0P 8.2	8.4 8.2	517	50 2.50	27 2.22	21 0.91	1.9 0.05	4 0.13	246 4.03	54 1.12	14 0.39	0.8 0.01	0.2	13	336 307 28			
E64250.00 COYOTE CREEK NEAR MADRONE (82)																					
E64250.00 11/18/66 1050	5000	0.0																			
E64250.00 1/17/67 1310	5000	2.30 42	10.5 100	55.0P 8.0	8.4 8.0	493	44 2.20	23 1.89	28 1.22	2.0 0.05	1 0.03	217 3.56	--	21 0.59	--	0.2	--	-- 204 24			
E64250.00 5/2/67 1410	5000	1.83 2.6	14.5 151	63.0P 8.9	8.7 8.9	318	30 1.50	14 1.15	15 0.65	1.5 0.04	8 0.27	121 1.98	33 0.69	9.1 0.26	1.8 0.03	0.0	11	208 182 20			
E65950.00 LOS GATOS CREEK AT LOS GATOS (74)																					
E65950.00 12/1/66 1940	5000	3.32 0.6	10.0 105	63.0P 8.2	8.5 8.2	509	58 2.89	22 1.81	18 0.78	1.9 0.05	12 0.40	182 2.98	--	11 0.31	--	0.1	--	-- 235 66			
E65950.00 1/17/67 1140	5000	3.91 15	10.4 107	61.0P 8.1	8.4 8.1	381	41 2.05	16 1.32	14 1.05	2.0 0.07	2 0.07	140 2.29	--	8.5 0.24	--	0.1	--	-- 168 50 50			
E65950.00 5/2/67 1055	5000	4.63 105	10.6 99	53.0P 8.3	8.1 8.3	270	29 1.45	11 0.90	10 0.44	1.2 0.03	0 0.00	119 1.95	34 0.71	5.3 0.15	1.1 0.02	0.0	14	179 165 20			
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)																					
F81100.00 11/4/66 0950	5000	4.13 596	10.4 98	55.0P 7.3	8.6 7.3	278	26 1.30	13 1.07	14 0.61	1.3 0.03	5 0.17	148 2.43	--	7.6 0.21	--	0.1	--	-- 118 0			
F81100.00 1/6/67 1150	5000	2.63 95	10.9 106	58.0P 7.8	8.4 7.8	217	21 1.05	9.9 0.81	9.0 0.39	1.0 0.03	2 0.07	110 1.80	--	5.8 0.16	--	0.1	--	-- 93 0			

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLO -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SiO2	SUM	TDS	TH NCH
F82720.00 BIG RIVER NEAR MOUTH (9c)																					
F82720.00 11/3/66 1130	5000	20 est.	9.8 91	54.0F	8.4 7.4	225	22	7.7	12	1.3	3	11.0	--	7.4	--	--	0.3	--	--	86 0	
							1.10	0.63	0.52	0.03	0.10	1.80	--	0.21	--	--	--	--	--	--	--
F82720.00 1/5/67 1450	5000	50 est.	13.0 115	50.0F	8.4 7.6	209	19	6.6	9.8	1.1	1	98	--	6.1	--	--	0.2	--	--	74 0	
							0.95	0.54	0.43	0.03	0.03	1.61	--	0.17	--	--	--	--	--	--	--
F83080.50 MOJO RIVER NEAR FORT BRAGG (10c)																					
F83080.50 11/3/66 1030	5000	2.90 21	9.9 96	58.0F	8.3 7.3	177	16	5.6	12	1.1	2	80	--	9.7	--	--	0.1	--	--	63 0	
							0.50	0.46	0.52	0.03	0.07	1.31	--	0.27	--	--	--	--	--	--	--
F83080.50 1/6/67 0900	5000	3.07 49	10.9 95	49.0F	8.0 7.4	149	14	4.7	8.9	1.0	0	70	--	7.1	--	--	0.1	--	--	54 0	
							0.70	0.39	0.39	0.03	0.00	1.15	--	0.20	--	--	--	--	--	--	--
F91080.50 RUSSIAN RIVER AT GUERREYVILLE (10)																					
F91080.50 11/3/66 0815	5000	7.10 1320	9.6 91	56.0F	8.4 7.6	246	21	13	9.7	1.9	2	114	--	7.0	--	--	0.2	--	--	106 9	
							1.05	1.07	0.42	0.05	0.07	1.87	--	0.20	--	--	--	--	--	--	--
F91080.50 1/20/67 0755	5000	9.42 2890	10.2 95	54.0F	8.2 7.8	181	19	8.0	5.7	1.1	0	91	--	2.6	--	--	0.3	--	--	89 5	
							0.95	0.66	0.25	0.03	0.00	1.49	--	0.07	--	--	--	--	--	--	--
F91080.50 3/30/67 0715	5000	8.79 2470	10.4 94	52.0F	8.3 7.3	224	21	12	8.5	1.1	2	118	--	4.1	--	--	0.2	--	--	102 2	
							1.05	0.99	0.37	0.03	0.07	1.93	--	0.12	--	--	--	--	--	--	--
F91080.50 5/31/67 0840	5000	550	9.1 97	66.0F	7.9 7.9	302	20	16	10	1.2	0	165	17	5.3	2.5	--	0.2	15	194	139	
							1.45	1.32	0.44	0.03	0.00	2.70	0.35	0.15	0.04	--	--	--	--	--	--
F91080.50 7/5/67 0750	5050	4.05 268	7.2 74	75.0F	8.3 7.9	313	--	--	11	--	0	163	--	7.4	--	--	0.3	--	--	136 2	
							--	--	0.48	--	0.00	2.67	--	0.21	--	--	--	--	--	--	--
F91080.50 9/7/67 0645	5050	3.50 223	8.3 96	74.0F	8.1 8.1	253	--	--	8.5	--	0	137	--	5.0	--	--	0.3	--	--	113 1	
							--	--	0.37	--	0.00	2.24	--	0.14	--	--	--	--	--	--	--

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER									
							RUSSIAN RIVER NEAR HEADSBERG (9)										RUSSIAN RIVER NEAR HOPLAND (8a)					RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)				
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH						
F91500.00 11/14/66 0630	5000	1.77 405	10.6 104	59.0F	8.5 8.0	226	24 1.20	10 0.82	7.3 0.36	1.1 0.03	4 0.13	120 1.97	--	3.6 0.10	--	0.3	--	--	101 0							
F91500.00 1/20/67 0700	5000	3.36 1860	10.2 85	46.0F	8.1 8.1	180	18 0.90	8.2 0.67	6.3 0.27	1.2 0.03	0 0.00	91 1.49	--	3.2 0.09	--	0.2	--	--	78 3							
F91500.00 5/11/67 0930	5000	2.92 1290	10.1 97	57.0F	8.0 7.8	244	24 1.20	13 1.07	7.7 0.33	0.9 0.02	0 0.00	134 2.20	14 0.29	3.7 0.10	2.1 0.03	--	0.2	14	153 146	114 4						
F91765.00 11/2/66 1530	5000	5.89 466	9.9 107	65.0F	8.4 7.2	205	23 1.15	8.7 0.72	6.9 0.30	0.9 0.02	3 0.10	109 1.79	--	3.1 0.09	--	0.2	--	--	94 0							
F91765.00 1/5/67 0900	5000	4.99 127	8.5 75	48.0F	8.4 7.0	247	24 1.20	12 0.99	9.0 0.39	1.0 0.03	2 0.07	124 2.03	--	6.0 0.17	--	0.4	--	--	110 5							
F91765.00 5/11/67 0730	5000	6.19 694	10.1 93	52.0F	7.6 7.4	190	19 0.95	8.9 0.73	7.1 0.31	0.9 0.02	0 0.00	101 1.66	10 0.21	3.1 0.09	1.6 0.03	--	0.1	12	120 113	84 1						
F94900.00 11/2/66 1600	5000	3.55 310	11.7 123	62.0F	8.4 8.0	194	24 1.20	6.8 0.56	5.6 0.24	0.9 0.02	2 0.07	104 1.70	--	3.0 0.08	--	0.3	--	--	88 0							
F94900.00 1/5/67 1200	5000	3.48 300	14.0 127	50.0F	8.2 7.5	142	17 0.85	5.0 0.41	4.4 0.19	1.0 0.03	0 0.00	77 1.26	--	2.1 0.06	--	0.4	--	--	63 0							
F94900.00 5/10/67 1715	5000	3.50 303	10.4 97	52.0F	8.1 7.7	133	16 0.80	4.9 0.40	4.0 0.17	0.6 0.02	0 0.00	71 1.16	7.0 0.15	1.2 0.03	0.2 0.00	--	0.1	11	91 80	60 2						

Miscellaneous Constituents in Surface Water

Two of the several column headings in the following table show:

- Turbidity - The values are shown in ppm when they represent parts per million of silica and in Jackson Candle Units when reported as "Units".
- MBAS - Methylene blue active substances are a measure of detergents ABS and LAS.

TABLE D-3
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
San Lorenzo River at Big Trees (75)	D01200.00	11-15-66	80					
		1-18-67	2					
		5-3-67	4		0.0	0.00	0.23	
		7-18-67	2					
		9-6-67	1					
Soquel Creek at Soquel (76)	D03100.00	12-1-66	40					
		1-17-67	1					
		5-2-67	5		0.0	0.00	0.10	
Pajaro River at Chittenden (77)	D11250.00	11-30-66	2					
		1-12-67	5					
		3-9-67	10					
		5-18-67	50		0.0	0.01	0.18	
		7-18-67	50					
Uvas Creek near Morgan Hill (96)	D11371.50	9-6-67	25					
		11-18-66	1					
		1-17-67	4					
San Benito River near Bear Valley Fire Station (77a)	D12450.00	5-2-67	5		0.0	0.00	0.02	
		11-25-66	1					
		1-10-67	15					
Salinas River near Spreckels (43)	D21220.00	5-16-67	25		0.0	0.00	0.02	
		11-30-66	5					
		1-12-67	25					
		3-9-67	35					
		5-18-67	35		0.0	0.00	0.40	
Salinas River near Bradley (43c)	D21850.00	7-18-67	30					
		9-6-67	45					
		1-11-67	4					
Salinas River at Paso Robles (43a)	D31450.00	5-17-67	25		0.0	0.00	0.38	
		1-10-67	4					
San Antonio River near Playto (43d)	D32200.00	5-16-67	10		0.0	0.00	0.26	
		11-25-66	1					
Nacimiento River near San Miguel (43b)	D33520.00	1-11-67	1					
		11-26-66	1					
		1-11-67	10		0.0	0.00	0.10	
Carmel River at Robles del Rio (83)	D41200.00	5-17-67	10					
		1-11-67	1					
		5-17-67	1		0.0	0.00	0.02	
Napa River at Dutton Landing (72a)	E31100.50	11-16-66	20					
		1-27-67	110					
		3-30-67	50					
		5-24-67	40					
Napa River near St. Helena (72)	E31500.00	11-1-66	1					
		1-4-67	1					
		5-10-67	5		0.0	0.00	0.41	
Alameda Creek near Miles (73)	E51150.00	10-27-66	4		0.0			
		11-16-66	10		0.0			
		12-20-66	5					
		1-26-67	360					
		2-20-67	5					
		3-29-67	20					
		4-25-67	105					
		5-9-67	5		0.0	0.00	2.2	
		6-14-67	5					
		7-5-67	10					
		8-17-67	15					
Arroyo del Valle near Livermore (71)	E51400.00	9-7-67	15					
		12-1-66	5					
		1-13-67	4					
Coyote Creek near Madrone (82)	E64250.00	5-9-67	900		0.0	0.00	0.09	
		1-17-67	45					
Los Gatos Creek at Los Gatos (74)	E65250.00	5-2-67	30		0.0	0.01	0.07	
		12-1-66	60					
		1-17-67	25		0.0	0.00	0.10	
		5-2-67	40					

TABLE D-3
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
Gualala River, South Fork, Near Annapolis (9a)	F81100.00	11-4-66 1-6-67	1 1					
Big River near Mouth (8c)	F82720.00	11-3-66 1-5-67	1 1					
Moyo River near Fort Bragg (10c)	F83080.50	11-3-66 1-6-67	1 4					
Russian River at Guerneville (10)	F91080.50	11-30-66	25					
		1-20-67	105					
		3-30-67	35					
		5-31-67	5		0.0	0.00	0.26	
		7-5-67	30					
		9-7-67	5					
Russian River near Healdsburg (9)	F91500.00	11-4-66	3					
		1-20-67	90					
		5-11-67	10		0.0	0.00	0.09	
Russian River near Hopland (8a)	F91765.00	11-2-66	4					
		1-5-67	4					
		5-11-67	10		0.0	0.00	0.14	
Russian River, East Fork, at Potter Valley Powerhouse (10a)	F94900.00	11-2-66	3					
		1-5-67	50					
		5-10-67	25		0.0	0.00	0.08	

TABLE D-4

DESCRIPTION OF SALINITY
OBSERVATION STATIONS

CENTRAL COASTAL AREA

STATIONS	STATION NUMBER	LOCATION
Crockett	E03100.90	West end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge on wharf of C and H Sugar Refinery Corporation.
Martinez	E03300.10	East end of Carquinez Strait, sampled from Shell Oil Company dock, about 0.6 mile downstream from Southern Pacific Company railroad bridge.
Port Chicago	E03200.90	South shore of Suisun Bay at U. S. Naval ammunition loading wharf below Port Chicago.
Middle Point	E03200.00	South shore of Suisun Bay, about 0.5 mile upstream from Middle Point at Allied Chemical Corporation Yard.
Pittsburg	B91070.10	East end of Suisun Bay in New York Slough at Pittsburg Yacht Harbor.
Collinsville	E31110.00	Sacramento River, north bank, at junction with San Joaquin River.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides In Milligrams Per Liter

STATION	October 1966							
	10-2-66	10-6-66	10-10-66	10-14-66	10-18-66	10-22-66	10-26-66	10-30-66
Crockett	13900	11500	11000e	11460	11600	10800	12600	13300
Martinez	9090a	8780a		6660a	11000	8600ae	8700	8870
Port Chicago	7260	5480	5500ed	5240	6700	6010	7140	6810
Middle Point	6160							
Pittsburg	952		670a	611	1070abd	630	2120	918
Collinsville	933a	724a	805a	831	672a	774	1440	840
STATION	November 1966							
	11-2-66	11-6-66	11-10-66	11-14-66	11-18-66	11-22-66	11-26-66	11-30-66
Crockett	11600	11600	11800	12100	7630	8070		
Martinez	8130a	7610	7040a		6110	3530d		
Port Chicago	7840	5000	4780	7450	3120		2190	
Middle Point	6420		5490				1410	126
Pittsburg	1350bd	808a		586		171		36
Collinsville	836a	823a	681	1220	230a	39	24	21
STATION	December 1966							
	12-2-66	12-6-66	12-10-66	12-14-66	12-18-66	12-22-66	12-26-66	12-30-66
Crockett	6920	3800	1880	2230	4310	6870	7070	6180
Martinez	2850a	2670d	2310bd			6090	3580	3860
Port Chicago	3050	53		34		4350		1320
Middle Point		31ae			23		844	127
Pittsburg	37	20	32	24	35		40	37
Collinsville	1-a	8	12	10a	12	11	16	12
STATION	January 1967							
	1-2-67	1-6-67	1-10-67	1-14-67	1-18-67	1-22-67	1-26-67	1-30-67
Crockett	5020	1520	7380	6830	6650	7200		4200
Martinez	4450	6350	3520a	4340a	6800	4900a	15a	4400
Port Chicago	511	1990		1640	2560	4950	69	420a
Middle Point	106	797	142			3160	11	510
Pittsburg		30bd	51	57bd	380		31	400
Collinsville	21	10	10	8a			15	10

* Samples taken at four-day intervals approximately one and one-half hours after high tide.
a Taken after low high tide. d Taken over one hour off scheduled time.
b Taken on following day. e Taken on preceding day.
c Taken two days later.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides in Milligrams Per Liter

STATION	February 1967							
	2-2-67	2-6-67	2-10-67	2-14-67	2-18-67	2-22-67	2-26-67	
Crockett	174	1490	2590		4150	6470	4810	
Martinez	29		37a	1160	2130		1490a	
Port Chicago	26	18		30	352	1760	300	
Middle Point	28				28ae	1270	98	
Pittsburg	21	31			38		36	
Collinsville	6	7d	10a	21	15	14	17	

STATION	March 1967							
	3-2-67	3-6-67	3-10-67	3-14-67	3-18-67	3-22-67	3-26-67	3-30-67
Crockett	5270	6180	7100	5650	2950	2920	2210	2470
Martinez	2070	3080a	5370		350	676		
Port Chicago	1120	990	2630	660	41		37	30
Middle Point	51a			118	29		32	23acd
Pittsburg	32bd		36bd	36a	35	26	38a	26
Collinsville	13	18	24	20	18	11	9a	12

STATION	April 1967							
	4-2-67	4-6-67	4-10-67	4-14-67	4-18-67	4-22-67	4-26-67	4-30-67
Crockett	2800	4280	2900	1340	3000	3380	1770	642
Martinez	32ae	2210	915a		1780ae	1100a	343ad	
Port Chicago	27	73	26	28		29	39	
Middle Point	23ae	27	18a		21	27	20a	19
Pittsburg	25		25abd			26a	25a	20
Collinsville	16	12	8a	14	10	12a	12	8

STATION	May 1967							
	5-2-67	5-6-67	5-10-67	5-14-67	5-18-67	5-22-67	5-26-67	5-30-67
Crockett	1270	3370	3040	1780	1400a	4000	3130	2030e
Martinez			154a	228	340a	2800	84a	954e
Port Chicago	26		30	18	100	28	22	16e
Middle Point	17d		15	15		12a	13	12e
Pittsburg	22a	19		19		17a		
Collinsville		10	9a	11	9a	8a	8	

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

d Taken over one hour off scheduled time.

b Taken on following day.

e Taken on preceding day.

c Taken two days later.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides in Milligrams Per Liter

STATION	June 1967							
	6-2-67	6-6-67	6-10-67	6-14-67	6-18-67	6-22-67	6-26-67	6-30-67
Crockett	3060	2850						
Martinez	850a	280a	1020	719abd	70a	373a	1060a	335a
Port Chicago	526	16	17	18		310	17	114e
Middle Point				12	15		14	
Pittsburg	16a	16a	15a		13a	14abd	13bd	18a
Collinsville	9a	10a	10	11a	8a	18a	8	8a

STATION	July 1967							
	7-2-67	7-6-67	7-10-67	7-14-67	7-18-67	7-22-67	7-26-67	7-30-67
Crockett							6750	7800e
Martinez	342a	3440	2570	1220a	5470	6130	4760ad	4060e
Port Chicago	694	337	40a	763e	424a	2340	1730	3340e
Middle Point		27	57		2870			
Pittsburg	16ad				21abd	28a	35abd	106a
Collinsville	9a	7a	12	10a	13a	22d	22a	17a

STATION	August 1967							
	8-2-67	8-6-67	8-10-67	8-14-67	8-18-67	8-22-67	8-26-67	8-30-67
Crockett		10800	10530	9520e	9690ed	10000		
Martinez	7200	7170	5780a	7650e	7320	7930	3780a	6400e
Port Chicago	5160	6810	3380	4970e		3260ed	2920	3820e
Middle Point	1570			4360e	4970	4120	4360	2980a
Pittsburg	200a	270a				386a	317a	211a
Collinsville	183a				228a	465a	228a	158a

STATION	September 1967							
	9-2-67	9-6-67	9-10-67	9-14-67	9-18-67	9-22-67	9-26-67	9-30-67
Crockett		10400	9410	9100e	9020		7730	8850
Martinez	6550a	6600	4920a	6780	4870a	7580		1950
Port Chicago	5480	2910	4500	3260	2350		2270	3180
Middle Point	4800	4860	4600	2180	4400	2900	11800	
Pittsburg	2480	23000	119a	13abd	10a	18	12	64a
Collinsville	1950	2460	49a	28a	26a	20a	300	24a

* Sampling taken at four-day intervals approximately from 0800-1000 hours after high tide.
a Taken after low high tide.
b Taken on following day.
c Taken two days later.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance (micromhos/cm at 25°C) Field Lab	pH Field Lab	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients ----- mg/l						Total B Oxide Phosphorus (PO ₄)	Total Phosphorus (PO ₄)
					mg/l	% Sat							Nitrate (NO ₃) (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho- phosphorus (PO ₄) (PO ₄)			
SAN JOAQUIN RIVER AT ANTIOCH	B95010.01	10-20-66 1100		68	8.0	87	2570	7.6	0.7		84	BOD = 1.0; COD = 23 Phenols = 0.004	0.00	0.02	0.4	0.6	0.42	0.54	0.58	
		11-16-66 0940		62	9.3	95	1370	7.5	0.4	15	52	COD = 15 Phenols = 0.000	0.14		0.2	0.5		0.30		
		12-14-66 1245		54	9.0	83	253	7.3	1.0		37	BOD = 1.2; COD = 12 Phenols = 0.001	0.12	0.01	0.8	1.1	0.24	0.39	0.40	
		1-26-67 1135		46	11.4	95	321	7.3	0.4		110	BOD = 2.6; COD = 19 Phenols = 0.005	0.15	0.01	1.2	0.8	0.41	0.56	0.72	
		2-23-67 1003		45	12.5	103	372	6.8	0.7		45	BOD = 2.0; COD = 12 Phenols = 0.003	0.04	0.01	1.0	0.8	0.27	0.44	0.44	
		3-30-67 1420		45	13.5	112	308	7.0	1.0		60	BOD = 1.4; COD = 10 Phenols = 0.000	0.05		0.5	0.3	0.25	0.30	0.39	
		4-26-67 1405		56	9.7	92	228	6.8	1.9		42	BOD = 1.4; COD = 7 Phenols = 0.000	0.16		0.3	0.7	0.23	0.28	0.42	
		5-24-67 1245		70	7.4	82	156	8.0	1.3		90	BOD = 1.0; COD = 5 Phenols = 0.001	0.01		0.1	0.4	0.21	0.29	0.38	
		6-21-67 1200		67	8.7	94	142	7.6	1.1		72	BOD = 1.4; COD = 5 Phenols = 0.000	0.01		0.0	0.4	0.20	0.26	0.42	
		8-21-67 1220		74	7.8	90	143	7.6	1.6		26		0.05	0.00	0.1	0.4	0.09	0.23	0.35	

* Lab Turbidity is given in parts per million of silica

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l %Sat	Specific Conductance at 25°C Field Log	pH Field Log	Secchi Disk (Feet)	Turbidity Lab	* Suspend Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients ----- mg/l								
												Nitrate (NO ₃)	Ammonium (NH ₄)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)	Total Organic Phosphate (PO ₄)	Total PO ₄	
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-15-66 1100	36	59	10.8 108	619	7.9	8.1	80	131			0.01	0.00	0.2	1.3	1.2	1.3	1.6	
		1-18-67 1110	36	46	10.9 92	399	8.0	8.4	7				0.02	0.00	0.3	0.5	0.36	0.38	0.49	
		5-3-67 0800	248	50	10.6 95	322	7.7	8.2	4	11			0.00	0.00	0.1	0.3	0.28	0.29	0.30	
		7-18-67 0900	39	60	9.7 98	368	7.7	8.3	7	5			0.00	0.00	0.1	0.2	0.38	0.39	0.40	
		9-6-67 1015	28	63	9.7 101	361	7.8	8.0	1				0.11	0.01	0.4	0.3	0.48	0.55	0.59	
		11-15-66 0715		59		31100	8.2	2.5		193			0.00	0.02	0.2	0.4	0.92	1.1	1.1	
MONTEREY BAY AT SANTA CRUZ (120)	D0P461.52	1-18-67 0830		48	10.6 114	51200	8.2	8.1	4	5			0.20	0.01	0.2	0.2	0.12	0.12	0.19	
		3-14-67 0800		49	10.1 107	44600	8.1	2.1		25			0.00	0.00	0.2	0.0	0.13	0.18	0.29	
		5-3-67 0605		54	8.9 105	50800	8.5	9.1		2			0.08	0.00	0.1	0.6	0.05	0.07	0.10	
		11-30-66 1010	1.8	58	9.2 91	1450	7.8	8.5	7	11			0.20	0.01	0.1	0.8	0.40	0.66	0.68	
		1-12-67 0810		1.6	49	10.0 88	1440	7.9	8.3	5	23			0.00	0.02	3.1	0.5	0.08	0.22	0.28
		3-9-67 1015	78	50	9.9 88	1040	7.8	8.4	10	14			0.25	0.03	3.6	0.9	0.08	0.13	0.22	
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	5-18-67 1020	150	64	7.8 82	778	8.0	7.8	50	74			0.00	0.06	2.4	0.9	0.21	0.32	0.42	
		7-18-67 0715	19	65	7.1 75	1410	8.1	8.5	50	57			0.15	0.09	6.2	0.5	0.37	0.48	0.65	
		9-4-67 0730		5.0	66	6.8 73	1390	8.2	8.3	25			0.15	0.07	1.9	1.1	0.27	0.33	0.46	
		11-30-66 0810		1.5	60	2.9 29	1250	7.4	7.9	5	66			11	1.5	9.8	1.1	4.8	56	56
		1-12-67 0638	160	48	4.5 39	948	7.5	8.5	25	45			0.52	0.03	1.4	0.5	1.9	2.3	2.3	
		3-9-67 0830	305	47	5.0 42	884	7.2	8.5	35	52			0.03	0.00	1.1	0.4	0.47	0.53	0.58	
SALINAS RIVER NEAR STRECKELS (43)	D21220.00																			

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l	Specific Conductance (at 25°C) Field Lab	pH Field Lab	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients ----- mg/l						Total B Phosphorus (PO ₄)	
												Nitrate (NO ₃)	Ammonium (NH ₄)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)		Total P Phosphorus (PO ₄)
SALINAS RIVER NEAR SPRECKELS (43) (CONT.)	D21220.00	5-18-67 0730	455	67	8.5	92	776	8.3 8.3	35	82		0.01	0.01	0.6	0.5	0.47	0.73	0.78	
		7-18-67 0515	82	65	7.8	82	739	8.0 8.3	30	58		0.35	0.05	0.3	0.4	0.39	0.59	0.82	
		9-6-67 0330	285	68	8.5	93	336	8.0 7.8	45			0.24	0.00	0.2	0.6	0.43	0.45	0.82	
		10-19-66 1040		60	6.9	84	50100	8.0	2.4	16	BOD = 0.4; COD = 27 Phenols = 0.002	0.00	0.05	0.8	0.0	1.8	1.8	1.8	
		11-17-66 1030		59	7.4	89	49100	8.2	1.8	20	24 COD = 24 Phenols = 0.000	0.05		0.6	0.6		1.1		
		12-16-66 1030		50	7.6	78	40800	8.1	1.7	39	BOD = 0.6; COD = 20 Phenols = 0.003	0.15	0.04	0.6	0.3	0.70	1.0	1.0	
		1-27-67 1005		50	9.2	94	38200	8.2	0.8	98	BOD = 1.0; COD = 23 Phenols = 0.001	0.18	0.03	0.7	0.7	0.69	0.72	1.1	
		2-24-67 1015		47	13.0	124	30000	8.0	1.0	134	BOD = 1.4; COD = 29 Phenols = 0.000	0.01	0.02	0.5	0.6	0.47	0.63	0.81	
		3-29-67 1230		48	10.2	100	34600	7.2	0.9	202	BOD = 1.5; COD = 29 Phenols = 0.000	0.02		0.7	0.5	0.79	0.89	1.4	
		4-27-67 1235		56	9.7	103	30000	8.2	1.0	105	BOD = 1.8; COD = 27 Phenols = 0.001	0.00		0.5	0.7	0.58	0.80	1.0	
SAN FRANCISCO BAY AT TREASURE ISLAND	EOH59.55	5-26-67 0600		62	7.7	88	29700	8.2	1.0	132	BOD = 1.1; COD = 31 Phenols = 0.000	0.05		0.4	0.7	0.71	1.0	1.3	
		6-22-67 1110		65	8.4	100	35400		1.1	64	BOD = 1.0; COD = 15 Phenols = 0.001	0.00		0.3	0.5	0.55	0.55	0.57	
		8-22-67 0815		68	7.2	90	41100	8.2	2.2	6.8		0.02	0.01	0.4	0.4	0.84	1.2	1.4	
		10-19-66 0745		58	7.4	89	49300	7.2	2.8	11	BOD = 0.6; COD = 20 Phenols = 0.002	0.00	0.02	0.4	0.2	0.27	0.40	0.44	
		11-17-66 0710		58	9.3	110	47200	7.2	3.0	9	COD = 24 Phenols = 0.001	0.04		0.4	0.1		0.31		
		12-15-66 0750		53	8.5	89	33400	8.4	1.8	24	BOD = 0.6; COD = 27 Phenols = 0.002	0.04		0.02	0.4	0.5	0.34	0.40	0.42
		1-27-67 0600		49	9.6	96	33400		0.6	52	BOD = 1.1; COD = 29 Phenols = 0.000	0.12	0.01	0.5	0.8	2.2	2.5	3.1	
		2-24-67 0602		52	8.0	85	39800		0.8	38	BOD = 1.0; COD = 22 Phenols = 0.001	0.04	0.01	0.6	0.2	0.24	0.31	0.44	

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time of day and P.S.T.	Discoloration in f/s	Temp in °F	Dissolved Oxygen mg/l % Sat	Specific Conductance (microhm/cm at 25°C) Field Lab	pH Field Lab	Secchi Disk Field Lab	* Turbidity Field Lab	Other Constituents and Remarks (mg/l)	Nutrients -----mg/l					
											Nitrate (NO ₃) (N)	Nitrite (N)	Nitrate (N)	Ammonium (N)	Organic Nitrogen (N)	Total Organic Phosphorus (PO ₄) (PO ₄)
SAN FRANCISCO BAY AT TREASURE ISLAND (CONT.)	E04H59.25	3-29-67 0820		47		36700	8.2	1.1		BOD = 0.7; COD = 24 Phenols = 0.000			0.4	0.11	0.1	0.20
		4-27-67 0720		53	8.8	32600	8.2	1.0		BOD = 1.1; COD = 32 Phenols = 0.000			0.2	0.00	0.6	0.24
		5-26-67 0800		61	7.6	37000	8.0	1.1		BOD = 1.0; COD = 22 Phenols = 0.000			0.3	0.01	0.6	0.31
		6-22-67 0845		57	7.1	38600	8.0	1.2		BOD = 0.8; COD = 18 Phenols = 0.000			0.4	0.00	0.7	0.30
		8-21-67 0850		62	6.6	46800	8.1	4.0		BOD = 0.4; COD = 19 Phenols = 0.002		0.01	0.2	0.06	0.2	0.25
		10-19-66 0842		58	7.8	49600	8.0	3.2		Phenols = 0.001		0.02	0.6	0.00	0.4	0.27
		11-17-66 0830		57	8.0	49000	8.2	2.5	6	Phenols = 0.001	0.10	0.3	0.3	0.10	0.23	0.23
		12-15-66 0915		53	8.9	37900	8.2	3.8		BOD = 0.5; COD = 27 Phenols = 0.000	0.16	0.02	0.4	0.16	0.7	0.35
		1-27-67 0720		50	9.2	39100	7.4	1.7		BOD = 0.7; COD = 19 Phenols = 0.001	0.06	0.01	0.5	0.06	0.7	0.24
		2-23-67 0558		46	9.3	43800	8.1	2.2		BOD = 0.8; COD = 18 Phenols = 0.002	0.17	0.02	0.4	0.17	0.7	0.20
SAN PABLO BAY AT POINT SAN PABLO	E04J74.01	3-29-67 1000		46		37000	7.2	1.8		BOD = 0.5; COD = 25 Phenols = 0.000	0.03		0.3	0.03	0.3	0.45
		4-27-67 0900		53	8.9	37300	8.2	1.1		BOD = 0.8; COD = 26 Phenols = 0.000			0.2	0.00	0.4	0.20
		5-26-67 0930		58	7.3	36700	8.2	1.8		BOD = 0.6; COD = 21 Phenols = 0.000	0.05		0.3	0.05	0.4	0.22
		6-22-67 0830		61	7.5	38200		1.4		BOD = 0.4; COD = 11 Phenols = 0.001	0.00		0.4	0.00	0.3	0.29
		8-21-67 0820		60	6.6	47800	8.1	5.0		BOD = 0.6; COD = 22 Phenols = 0.001	0.01	0.01	0.2	0.01	0.3	0.21
		10-20-66 0750		59	7.2	46100		3.6		Phenols = 0.001	0.00	0.02	0.7	0.00	0.3	0.32
		11-17-66 1200		60	7.6	40000	8.0	2.5	6	Phenols = 0.000	0.17		0.4	0.17	0.0	0.36
		12-14-66 0930		52	9.1	18100	7.9	1.9		BOD = 0.5; COD = 20 Phenols = 0.000	0.30	0.02	0.5	0.30	0.7	0.27
																0.34

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l %Sat	Specific Conductance at 25°C Field Lab	pH Field Lab	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients ----- mg/l						
												Nitrate Ammonium (NO ₃) (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)	Total Phosphate (PO ₄)	Total Organic Phosphate (PO ₄)
SAN PABLO BAY AT POINT SAN PABLO (CONT.)	E08J74.01	1-26-67 0815		48	9.3 87	21800	7.8	0.8		83	BOD = 1.4; COD = 28 Phenols = 0.003	0.53	0.02	0.7	0.8	0.42	0.43	0.60
		2-24-67 0830		46	8.5 80	29700		1.2		57	BOD = 1.1; COD = 20 Phenols = 0.001	0.34	0.01	0.5	0.9	0.26	0.33	0.49
		3-30-67 0945		45	10.1 87	12200	7.2	1.1		119	BOD = 1.1; COD = 22 Phenols = 0.000	0.14		0.4	1.1	0.29	0.44	0.60
		4-26-67 0900		53	9.6 91	10500		0.6		196	BOD = 1.1; COD = 25 Phenols = 0.000	0.16		0.3	0.5	0.27	0.35	0.68
		5-24-67 0730		63	7.9 85	15100	7.7	0.9		190	BOD = 1.0; COD = 27 Phenols = 0.000	0.12		0.4	0.7	0.43	0.47	0.86
		6-21-67 0830		61	7.7 82	17000	8.0	0.6		163	BOD = 1.3; COD = 20 Phenols = 0.000	0.02		0.2	0.7	0.30	0.48	1.5
		8-22-67 0940		66	7.6 91	35100		2.2		54	BOD = 1.2; COD = 23 Phenols = 0.000	0.07	0.03	0.3	0.5	0.23	0.34	0.34
		10-20-66 0920		64	8.0 91	23200		0.8		37	BOD = 1.2; COD = 23 Phenols = 0.000	0.00	0.01	0.6	0.5	0.31	0.42	0.49
		11-16-66 1140		63	8.1 89	18000	7.0	0.3	45	56	BOD = 1.0; COD = 19 Phenols = 0.000	0.16		0.4	0.6		0.26	
		12-15-66 1148		50	9.7 86	368	7.3	0.6		120	BOD = 2.2; COD = 29 Phenols = 0.002	0.28	0.00	0.5	0.7	0.32	0.44	0.55
SUISUN BAY AT ARMY POINT	E06G30.19	1-26-67 1015		48	11.0 95	558	7.3	0.3		300	BOD = 0.9; COD = 19 Phenols = 0.002	0.13	0.00	0.8	1.2	0.53	1.0	1.2
		2-23-67 0830		45	12.2 102	3740	8.0	0.7		69	BOD = 0.9; COD = 19 Phenols = 0.002	0.10	0.01	0.5	0.9	0.24	0.31	0.38
		3-30-67 1225		47		467	7.2	0.8		366	BOD = 1.6; COD = 15 Phenols = 0.000	0.10		0.5	1.2	0.78	0.94	1.0
		4-26-67 1100		56	10.1 96	424	7.5	0.4		308	BOD = 1.6; COD = 35 Phenols = 0.000	0.04		0.4	0.6	0.51	0.66	1.2
		5-24-67 1015		67	8.1 87	344	7.7	0.5		560	BOD = 1.6; COD = 33 Phenols = 0.000	0.26		0.5	1.1	0.67	0.68	1.8
		6-21-67 0935		66	8.2 88	358		0.3		730	BOD = 2.3; COD = 5 Phenols = 0.000	0.03		0.2	5.8	1.0	0.69	3.0
		8-21-67 1040		68	7.5 85	13000	7.8	0.3		439		0.10	0.02	0.2	1.3	0.21	1.0	1.5

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance at 25°C	pH	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients - - - - mg/l					Total B. Organic Phosphate (PO ₄)	Total P (PO ₄)	
					mg/l	% Sat							Field Lab	Field Lab	Nitrate (NO ₃)	Nitrite (N)	Nitrate (N)			Organic Nitrogen (N)
NAZA RIVER AT OUTION LANDING (72a)	E31100.50	11-16-66 0750		59	6.5	70	27200	7.5 7.6	1.6	20	28	800 = 1.0		0.12	0.09	0.6	0.4	0.21	0.36	0.50
		1-27-67 0850		49	8.8	77	407	7.8 7.7	0.5	110	150			0.21	0.00	1.4	0.8	0.46	0.61	0.78
		3-30-67 1050		55	8.1	76	1010	7.2 8.1	1.0	30	98	800 = 2.1		0.44	0.02	1.2	0.3	0.87	1.0	1.4
		5-24-67 0700		71	5.8	66	4430	7.5 7.8	0.7	40	112	800 = 2.4		0.30	0.03	0.5	1.0	0.69	0.98	1.2
		8-22-67 0925		72	5.8	69	17200	7.6	1.3		36			0.09	0.02	0.1	0.9	0.35	0.51	0.66
ALAMEDA CREEK NEAR NILES (72)	E51150.00	11-16-66 1245	29	60	9.7	97	828	7.9 8.5		10	20			0.03	0.01	0.8	0.0	1.5	1.5	1.6
		1-28-67 0700	655	52	8.1	73	304	7.6 8.1		360	616			0.21	0.00	1.1	1.0	1.0	1.5	1.8
		3-29-67 1235	100	53	11.0	101	533	8.3 8.3		20	25			0.22	0.02	0.9	0.3	1.8	1.8	4.8
		5-9-67 0910	87	64	9.1	95	838	8.7 8.0		5	22	800 = 2.1		0.08		1.1	0.6	2.1	2.3	2.4
		7-5-67 1153	8.4	77	8.9	106	1120	8.3 8.6		10				0.04	0.04	1.1	0.1	4.4	6.3	16.0
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	9-7-67 1015	23	70	8.6	96	652	8.1 8.1		15				0.03	0.01	1.6	0.6	2.1	2.2	2.2
		11-30-66 0815	1320	56	9.6	91	250	7.6 8.4		25	62			0.21	0.02	0.9	0.6	0.50	0.65	0.65
		1-20-67 0755	2890	54	10.2	95	185	7.8 8.2		105	124			0.01	0.06	0.3	0.4	0.33	0.48	0.56
		3-30-67 0715	2470	52	10.4	94	237	7.3 8.3		35	54			0.02	0.01	0.5	0.2	0.30	0.35	0.42
		5-31-67 0840	550	66	9.1	97	310	7.9 7.9		5	12			0.04	0.01	0.5	0.2	0.04	0.38	0.53
		7-5-67 0750	268	75	7.2	84	313	7.9 8.3		30				0.03	0.01	0.4	0.2	0.37	0.40	1.3
		9-7-67 0645	223	74	8.3	96	253	8.1 8.1		5				0.09	0.00	0.1	0.2	0.14	0.23	0.30

*Lab Turbidity is given in parts per million of silica.

Pesticides in Surface Water and Sediment

Abbreviations used in the following table include:

- BHC - Benzene hexachloride
- ppDDD - Para para isomer of dichloro diphenyl dichloroethane
- ppDDE - Para para isomer of dichloro diphenyl ethane
- DDT - Dichloro diphenyl trichloroethane
- ppDDT - Para para isomer of dichloro diphenyl trichloroethane

Where two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

TABLE D-7
PESTICIDES IN SURFACE WATERS AND SEDIMENTS
CENTRAL COASTAL AREA

Station	Station Number	Date and Time sampled PST	Discharge in cfs	Specific conductance (in cmhos at 25°C)	pH Field Lab	Pesticides in Water parts per million	Pesticides in Sediment parts per billion of dry weight
SAN JOAQUIN RIVER BY ANTIOCH	B95010.04	10-20-66 1100		2570	7.6	BHC like = 5	BHC like = 22 Complex chlorinated compounds as DDT = 93
		11-16-66 0940		1370	7.5	BHC like = 5	BHC like = 18 Complex chlorinated compounds as DDT = 116
		12-14-66 1245		253	7.3	No chlorinated pesticides detected	BHC like = 25 Complex chlorinated compounds as DDT = 150
		1-24-67 1135		321	7.3	BHC like = 21 Unknown as DDT = 4	BHC like = 42 Dieldrin/ppDDE = 9.5 ppDDD = 11
		2-23-67 1019		372	6.9	Complex chlorinated compounds as DDT = 22	Complex chlorinated compounds as DDT = 210
		3-30-67 1420		308	7.0	BHC like = 12 Chlordane like = 12	Chlordane = 53000
		4-26-67 1405		228	6.9	Unknown as DDT = 66	BHC like = 13 Complex chlorinated compounds as DDT = 100
		5-24-67 1245		196	8.0	Unknown as DDT = 6	BHC = 28 Complex chlorinated compounds as DDT = 110
		6-21-67 1200		142	7.6	Unknown as DDT = 18 Unknown as DDT = 14 Dacthal like = 17 ppDDD = 7	BHC like = 82 ppDDT = 12 Complex chlorinated compounds as DDT = 296
		8-21-67 1220		443	7.6	Complex chlorinated compounds as DDT = 126	

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN LORENZO RIVER AT BIG TREES(75)	D01200.00	11-15-66 1100	36	346	7.9 8.1	BHC like = 15	Complex chlorinated compounds as DDT = 24
		1-18-67 1120	36	387	8.0 8.4	No chlorinated pesticides detected	No chlorinated pesticides detected
		5-3-67 0800	288	315	7.7 8.2	No chlorinated pesticides detected	No chlorinated pesticides detected
MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	11-15-66 0715			8.2	No chlorinated pesticides detected	
		1-18-67 0830		50300	8.2 8.1	No chlorinated pesticides detected	
		3-14-67 0800			8.1	Unknown as DDT = 3	
		5-3-67 0605			8.5	No chlorinated pesticides detected	
PAJARO RIVER AT CHITTENDER (77)	D11250.00	11-30-66 1010	1.8	1330	7.8 8.5	Simazine/Atrazine = 10	Toxaphene like = 12
		1-12-67 0810	1.6	1490	7.9 8.3	Complex chlorinated compounds as DDT = 24	No chlorinated pesticides detected
		3-9-67 1015	78	994	7.8 8.4	Complex chlorinated compounds as DDT = 54	ppDDE/Dieldrin = 1.0 ppDDD = 1.4 ppDDT = 1.3
		5-18-67 1020	150	743	8.0 7.8	Toxaphene like = 16 ppDDT = 6	Unknown as DDT = 7.0
		11-30-66 0810	1.5	1140	7.4 7.9	Dieldrin = 135 ppDDT = 145 Complex chlorinated compounds as DDT = 2350	Dieldrin = 1.7 ppDDD = 3.7 ppDDT = 2.8 Complex chlorinated compounds as DDT = 22
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	1-12-67 0658	160	917	7.5 8.5	Dieldrin = 5 ppDDT = 10	Dieldrin = 1.0 ppDDD = 2.0 ppDDT = 1.0 ppDDE = 1.0
		3-9-67 0830	305	838	7.2 8.5	No chlorinated pesticides detected	ppDDE/Dieldrin = 7.5 ppDDD = 8.0 ppDDT = 4.7 Complex chlorinated compounds as DDT = 53
		5-18-67 0730	455	740	8.3 8.3	No chlorinated pesticides detected	No chlorinated pesticides detected
		10-19-66 1040		50100	8.0	BHC like = 5	Toxaphene = 21
		11-17-66 1030		49100	8.2	No chlorinated pesticides detected	Toxaphene like = 22
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	D0EG35.33	12-16-66 1030		40800	8.1	Unknown as DDT = 9	Complex chlorinated compounds as DDT = 8.0
		1-27-67 1005		38200	8.2	BHC like = 4	Complex chlorinated compounds as DDT = 64
		2-24-67 1015		30000	8.0	BHC like = 7	Complex chlorinated compounds as DDT = 150
		3-29-67 1230		34600	7.2	BHC like = 18 Heptachlor like = 8 Dieldrin = 3 ppDDD = 3	Complex chlorinated compounds as DDT = 75

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Recharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)	EDG85.33	4-27-67 1235		30000	<u>8.2</u>	Unknown as DDT = 16	BHC like = 1.0 Complex chlorinated compounds as DDT = 16
		5-26-67 0600		29700	<u>8.2</u>	Complex chlorinated compounds as DDT = 86	Complex chlorinated compounds as DDT = 35
		6-22-67 1110		35400	<u>6.8</u>	BHC = 10	Complex chlorinated compounds as DDT = 165
SAN FRANCISCO BAY AT COYOTE POINT	EDKH75.27	12-14-66 2000				No chlorinated pesticides detected	No chlorinated pesticides detected
		1-25-67 1545				BHC like = 4	Complex chlorinated compounds as DDT = 7.2
		2-22-67 1400				BHC like = 12	
		3-29-67 0800				BHC like = 26 Heptachlor like = 7 Dieldrin = 3	No chlorinated pesticides detected
		4-27-67 0800				BHC = 8 Unknown as DDT = 12	No chlorinated pesticides detected
		5-25-67 1145				No chlorinated pesticides detected	No chlorinated pesticides detected
		6-22-67 0730				No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 61
		10-19-66 0745		49300	<u>7.2</u>	BHC like = 5	
		11-17-66 0715		47200	<u>7.2</u>	No chlorinated pesticides detected	
		12-15-66 0750		33400	<u>8.4</u>	BHC like = 3	
SAN FRANCISCO BAY AT TREASURE ISLAND	EDGH59.55	1-27-67 0600		33400	<u>6.8</u>	BHC = 4	
		2-24-67 0602		39800	<u>6.8</u>	BHC like = 3	
		3-29-67 0820		36700	<u>8.2</u>	BHC like = 4 Complex chlorinated compounds as DDT = 49	
		4-27-67 0720		32600	<u>8.2</u>	No chlorinated pesticides detected	
		5-26-67 0800		37000	<u>8.0</u>	Unknown as DDT = 3	
		6-22-67 0645		38600	<u>8.0</u>	Unknown as DDT = 10	
		10-19-66 0842		49600	<u>8.0</u>	No chlorinated pesticides detected	
		11-17-66 0830		49000	<u>8.2</u>	No chlorinated pesticides detected	
		12-15-66 0915		37900	<u>8.3</u>	No chlorinated pesticides detected	
		1-27-67 0720		39100	<u>7.4</u>	BHC like = 4	
SAN FRANCISCO BAY AT FORT POINT	EDGJ47.72	2-23-67 0553		43300	<u>8.1</u>	No chlorinated pesticides detected	

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN FRANCISCO BAY AT FORT POINT (CONT.)	EOGJ47.72	3-29-67 1000		37000	<u>7.2</u>	BHC like = 5 Complex chlorinated compounds as DDT = 40	
		4-27-67 0900		37300	<u>8.2</u>	No chlorinated pesticides detected	
		5-26-67 0930		36700	<u>8.2</u>	Unknown as DDT = 3	
		6-22-67 0830		38200	<u>6.8</u>	No chlorinated pesticides detected	
SAN PABLO BAY AT POINT SAN PABLO	EOHJ74.01	10-20-66 0750		46100	<u>6.8</u>	Unknown as DDT = 4	BHC = 1.0 Toxaphene = 64
		11-17-66 1200		40400	<u>8.0</u>	No chlorinated pesticides detected	BHC like = 1.6 Toxaphene like = 104
		12-14-66 0930		18100	<u>7.9</u>	BHC like = 2 Dieldrin = 3	BHC like = 4.0 ppDDT = 15 Toxaphene like = 150
		1-26-67 0815		21800	<u>7.8</u>	BHC like = 18 Kelthane like = 10	Complex chlorinated compounds as DDT = 137
		2-24-67 0830		29700	<u>6.8</u>	BHC like = 4	Complex chlorinated compounds as DDT = 85
		3-30-67 0945		12200	<u>7.2</u>	BHC like = 7 Complex chlorinated compounds as DDT = 42	Complex chlorinated compounds as DDT = 133
		4-26-67 0900		10500	<u>6.8</u>	BHC = 7 Unknown as DDT = 5	Complex chlorinated compounds as DDT = 45
		5-24-67 0730		15100	<u>7.7</u>	No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 91
		6-21-67 0830		17000	<u>6.8</u>	Unknown as DDT = 19 Unknown as DDT = 7 ppDDD = 4	Complex chlorinated compounds as DDT = 400
		10-20-66 0920		23200	<u>6.8</u>	Simazine like = 5 Unknown as DDT = 10	BHC = 6.0 Toxaphene = 76
		11-16-66 1140		18000	<u>7.0</u>	No chlorinated pesticides detected	BHC like = 4.0 Toxaphene = 100
		12-15-66 1143		368	<u>7.3</u>	Dieldrin = 3	BHC = 6.4 Complex chlorinated compounds as DDT = 68
SUISUN BAY AT ARMY POINT	EOJG30.19	1-26-67 1015		558	<u>7.3</u>	BHC like = 10	BHC = 8.2 ppDDE/Dieldrin = 4.8 ppDDD = 9.6
		2-23-67 0830		3740	<u>8.0</u>	Unknown as DDT = 4	BHC = 5.6 Toxaphene like = 62
		3-30-67 1225		467	<u>7.2</u>	BHC like = 9 Complex chlorinated compounds as DDT = 55	BHC = 8.0 Toxaphene = 21
		4-26-67 1100		424	<u>7.5</u>	No chlorinated pesticides detected	BHC like = 3.0 Toxaphene like = 19
		5-24-67 1015		344	<u>7.7</u>	2 Unknowns as DDT = 6	Complex chlorinated compounds as DDT = 172

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SUISUN BAY AT ARMY POINT (CONT.)	BNJ030.19	6-21-67 0935		358	6.8	BHC like = 4 Unknown as DDT = 4 Unknown as DDT = 6 ppDDD = 4	Complex chlorinated compounds as DDT = 203
		8-21-67 1040		13000	7.8	BHC = 14 Kelthane = 11 Dieldrin = 6 Unknown as DDT = 7 ppDDT = 5	
		11-16-66 0750		27200	7.5 7.6	BHC like = 5	Toxaphene like = 97
		1-27-67 0850		407	7.8 7.7	BHC = 12	Complex chlorinated compounds as DDT = 250
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	3-30-67 1050		1010	7.2 5.1	3 Unknowns as DDT = 105	Complex chlorinated compounds as DDT = 30
		5-24-67 0700		4430	7.5 7.8	BHC like = 4	Unknown as DDT = 6.0 Complex chlorinated compounds as DDT = 16
		1-26-67 0700	655	304	7.6 5.1	BHC like = 12 ppDDD = 3	ppDDE = 1.7 ppDDD = 2.3 ppDDT = 3.4
		3-29-67 1235	100	533	8.3 3.3	BHC like = 8	ppDDE = 1.3 ppDDD = 1.5 ppDDT = 2.3
ALAMEDA CREEK NEAR NILES (73)	E51150.00	5-9-67 0910	87	838	8.7 5.0	BHC = 12	ppDDD = 2.0 ppDDT = 1.0
		11-30-66 0815	1320	250	7.6 5.4	Simazine/Atrazine = 10	No chlorinated pesticides detected
		1-20-67 0755	2690	185	7.8 5.2	BHC like = 4	No chlorinated pesticides detected
		3-30-67 0715	2470	237	7.3 5.3	BHC like = 9	No chlorinated pesticides detected
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	5-31-67 0840	550	310	7.9 7.9	3 Unknowns as DDT = 13	No chlorinated pesticides detected

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

Appendix E
GROUND WATER QUALITY

Appendix 2
GROUND WATER QUALITY

INTRODUCTION

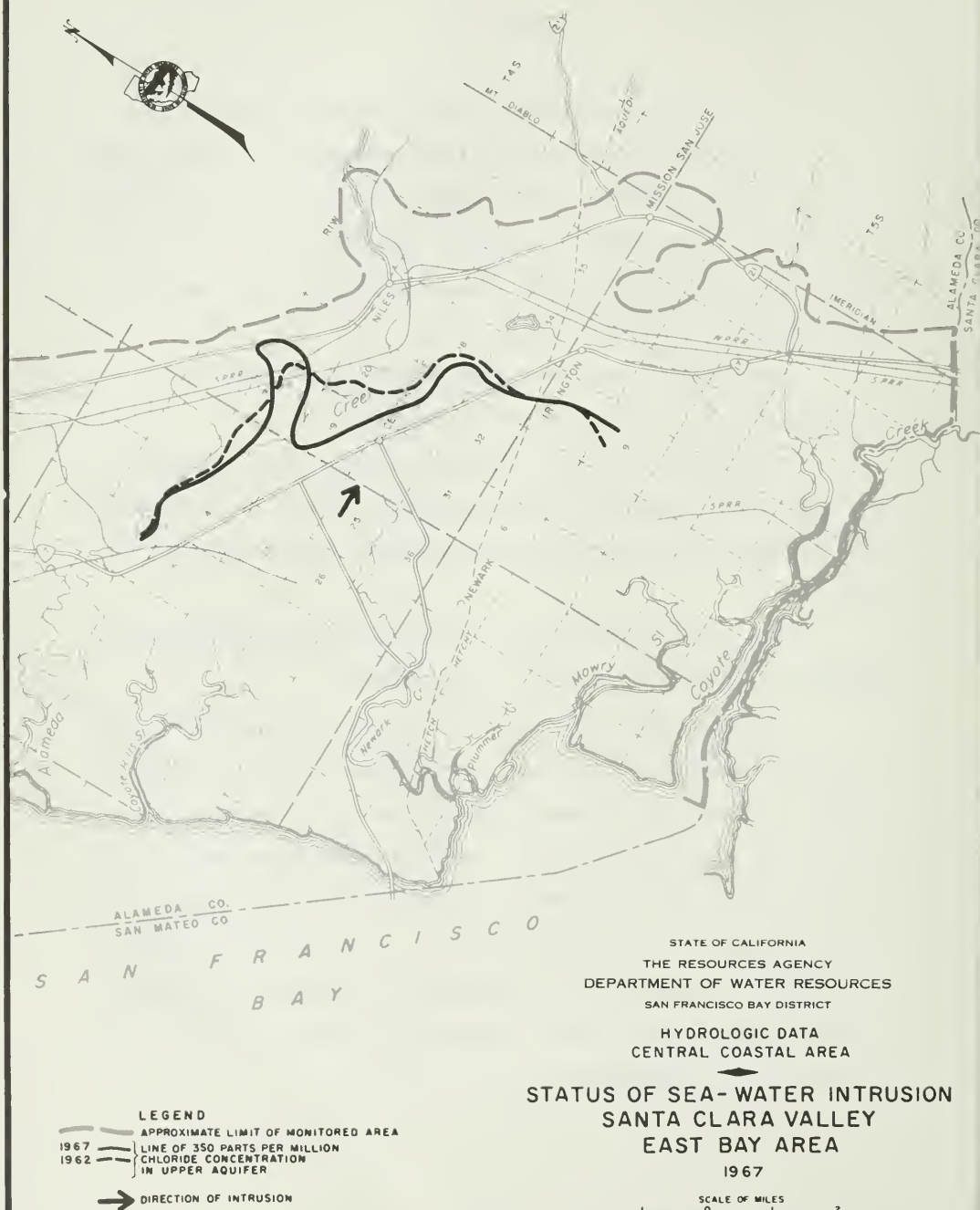
Ground Water quality data collected during the period from October 1, 1966, through September 30, 1967, are presented in this appendix. The data were collected from a number of major ground water sources in the Central Coastal Area in cooperation with other state, local, and federal agencies. During the 1967 water year, 390 wells were sampled in 18 ground water basins and subbasins.

Some temperature measurements and comments on sampling conditions are available in the files of the Department.

Laboratory analyses of ground water were performed in accordance with "Standard Methods for the Examination of Water and Waste Water", 12th Edition, published by American Public Health Association, Inc., in 1965.

The region and basin, and the state well numbering system are described in Appendix C, "Ground Water Measurement".

Total hardness (TH) represents the sum of the concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate. Noncarbonate hardness (NCH) represents any excess of total hardness over the total alkalinity. The lower number representing total dissolved solids (TDS) is a summation of constituents and the upper number is the result of a gravimetric analysis. Specific electrical conductance (EC) of a solution is an expression of the reciprocal ohms per centimeter multiplied by 100,000. The value is determined at 25° C., or corrected to this temperature.



MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE LAID TIME SAMPLER	TEMP F/D	PH LAB F/D	FC LAB F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS					
				CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	R	SI02	SUM	TH
NORTH COASTAL REGION (NO. 1)																	
URIAH VALLEY (1-15.00)																	
15N/12W-21401 M 08/28/67 5050 1515	--	--	241	--	--	--	--	--	--	--	--	--	--	0.7	--	--	--
16N/12W-05001 M 08/29/67 5050 0845	--	8.6	381	22	21	24	--	6.0 .20	165 2.71	--	27 .76	--	--	0.0	--	--	142 0
16N/12W-04001 M 08/29/67 5050 0955	--	--	430	--	--	--	--	--	--	--	--	--	--	0.1	--	--	--
17N/12W-28401 M 08/29/67 5050 1330	--	7.6	208	16	10	11	--	0.0 1.28	78 2.71	--	6.2 .17	--	--	0.0	--	--	81 17
SARIEL VALLEY (1-16.00)																	
12N/11W-02501 M 08/30/67 5050 1500	--	--	383	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-07001 M 08/30/67 5050 1230	--	8.6	284	18	22	9.4	--	4.0 .13	149 2.44	--	4.2 .12	--	--	0.2	--	--	134 6
13N/11W-14401 M 08/30/67 5050 0800	--	--	415	--	--	--	--	--	--	--	--	9.7 .16	--	2.8	--	--	--
13N/11W-14401 M 08/30/67 5050 1015	--	--	300	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-30401 M 08/30/67 5050 1145	--	7.6	437	36	26	12	--	0.0 3.10	189 3.10	--	11 .31	--	--	0.2	--	--	197 42
QUEPAC VALLEY (1-17.00)																	
09N/08W-07001 M 08/31/67 5050 0915	--	8.6	623	2.8	2.2	146	--	7.0 .23	298 4.89	--	40 1.13	--	--	0.5	--	--	16 0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION NAME DATE TIME	TEMP F	PH	EC UMH	L.A. FLO	L.A. FLO	CA	Mg	NA	K	MILLIGRAMS PER LITER SULFATE EQUIVALENTS PER LITER PHOSPHATE REACTANCE VALUE				MILLIGRAMS PER LITER TDS				TH NCH
										CO ₃	HCO ₃	SO ₄	CL	F	H	S102	SUM	
ALEXANDER VALLEY (1-17-00) (CONT.)																		
100/090-200-1 08/31/67 5:55 1020	--	8.6	622	34	55	12	--	13	301	--	1.7	4.94	.25	--	0.1	--	--	313 45
110/100-200-1 08/31/67 5:55 1315	--	--	375	--	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--
110/100-200-1 08/31/67 5:55 1330	--	7.6	201	12	4.3	1.5	--	0.0	63	--	1.6	1.03	.51	--	0.2	--	--	64 13
SANTA ROSA VALLEY (1-18-00)																		
050/090-200-1 09/05/67 5:55 1200	--	--	623	--	--	--	--	--	--	--	--	--	--	--	0.5	--	--	--
060/070-100-1 09/05/67 5:55 1315	--	--	470	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
060/080-100-1 09/01/67 5:55 1305	--	--	499	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
070/060-200-1 09/06/67 5:55 1445	--	--	222	--	--	--	--	16	--	--	--	--	--	--	--	--	--	--
070/070-100-1 09/06/67 5:55 1500	--	7.4	249	14	13	24	--	24	--	0.0	147	--	5.0	--	0.0	--	--	87 0
070/070-200-1 09/01/67 5:55 1500	--	8.4	512	33	20	44	--	24	--	23	248	--	.77	4.07	--	0.4	--	166 0
070/080-030-1 09/01/67 5:55 0530	--	--	759	--	--	--	--	34	--	--	--	--	--	--	--	--	--	--
070/080-100-1 09/01/67 5:55 1015	--	--	632	--	--	--	--	44	--	--	--	--	--	--	0.3	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH LAR FLU	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					TDS SUM	TH NCH
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02				
SANTA ROSA VALLEY (1-18.00) (CONT.)																		
07N/08W-30P01 M 09/01/67 5050 1100	--	7.4	1100	66	58	58	--	0.0	216	--	145	--	--	0.1	--	--	405	228
				3.29	4.77	2.52		3.54		4.09								
07N/09W-09F01 M 09/01/67 5050 0945	--	7.5	165	9.9	6.2	16	--	0.0	60	--	12	--	--	0.0	--	--	50	1
				.49	.51	.70		.98		.34								
07N/09W-36H01 M 09/01/67 5050 1130	--	--	366	--	--	36	--	--	--	--	--	--	--	0.0	--	--	--	--
						1.57												
09N/10W-01C01 M 09/06/67 5050 1100	--	8.6	215	14	9.7	14	--	4.0	112	--	6.4	--	--	0.0	--	--	75	0
				.70	.80	.74		.13	1.84		.14							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAH FLO	TEMP	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
			EC LAB FLO	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS	TH	NCH
SAN FRANCISCO BAY REGION (NO. 2)																		
PETALUMA VALLEY (2-1.00)																		
03N/06W-01001 M 09/06/67 5050	--	--	1350	--	--	214	9.44	--	--	--	141	--	--	--	--	--	--	--
03N/06W-03001 M 09/06/67 5050	--	--	4190	--	--	350	15.23	--	--	--	1060	--	--	0.2	--	--	--	--
03N/06W-11001 M 09/06/67 5050	--	--	1420	--	--	312	13.57	--	--	--	298	--	--	--	--	--	--	--
03N/06W-18001 M 09/06/67 5050 0915	--	8.7	598	30	42	26	--	--	10	161	44	--	--	0.0	--	--	248	100
03N/07W-14501 M 09/06/67 5050 0945	--	--	666	--	--	--	--	--	--	--	65	--	--	--	--	--	--	--
04N/06W-07001 M 09/06/67 5050	--	8.9	1020	62	67	78	--	--	51	489	40	--	--	1.9	--	--	429	0
04N/06W-07002 M 09/06/67 5050	--	--	3950	--	--	688	29.93	--	--	--	844	--	--	2.6	--	--	--	--
04N/06W-21001 M 09/06/67 5050	--	--	1210	--	--	214	9.31	--	--	--	176	--	--	1.1	--	--	--	--
04N/06W-33001 M 09/06/67 5050	--	8.4	6500	237	308	525	--	--	8.0	282	2090	--	--	0.2	--	--	1860	1617
05N/06W-30001 M 09/06/67 5050	--	--	733	--	--	--	--	--	--	--	48	--	--	0.2	--	--	--	--
05N/07W-20003 M 09/06/67 5050	--	8.7	1430	145	23	89	--	--	26	167	261	--	--	0.0	--	--	459	279

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAH FLD	PH LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
			EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	S102	TDS SUM	TH NCH
PETALUMA VALLEY (2-1.00) (CONT.)																	
05N/07W-26E01 M 09/00/67 5050	--	--	713	--	--	--	65	2.83	--	--	--	--	--	--	--	--	--
05N/07W-34E02 M 09/00/67 5050	--	9.2	889	4.7	11	188	--	--	32	530	--	68	--	--	0.1	--	56
				.23	.90	8.16			1.07	5.41		1.92					0
NAPA VALLEY (2-2.01)																	
03N/03W-18E01 M 09/08/67 5050 1515	--	--	1140	--	--	--	87	3.74	--	--	--	145	--	--	0.1	--	373
												4.09					373
03N/03W-18E02 M 09/08/67 5050 1530	--	8.7	1280	71	64	104	--	--	38	274	--	55	--	--	0.2	--	442
				3.54	5.26	4.74			1.27	4.49		1.55					154
04N/04W-05C01 M 09/11/67 5050	--	8.2	303	7.1	6.9	45	--	--	0.0	84	--	28	25	--	0.1	--	46
				.35	.57	1.96				1.38		.79	.40				0
04N/04W-05D02 M 09/11/67 5050 0830	--	--	800	--	--	--	--	--	--	--	--	94	--	--	--	--	--
												2.65					--
04N/04W-12H01 M 09/08/67 5050 1400	--	--	1070	--	--	--	--	--	--	--	--	144	--	--	--	--	--
												4.06					--
04N/04W-13E01 M 09/08/67 5050 1430	--	8.2	1920	130	41	211	--	--	0.0	216	--	296	26	--	0.3	--	496
				6.49	3.37	9.18				3.54		8.35	.42				319
04N/04W-14C02 M 09/08/67 5050 1100	--	--	1660	--	--	--	--	--	--	--	--	332	--	--	--	--	--
												9.36					--
05N/04W-09D02 M 09/11/67 5050 1015	--	--	519	--	--	--	--	--	--	--	--	42	--	--	--	--	--
												1.18					--
05N/04W-11F03 M 09/11/67 5050 1330	--	--	717	--	--	--	--	--	--	--	--	107	--	--	--	--	--
												3.02					--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02			
NAPA VALLEY (2-2.01) (CONT.)																	
05N/04W-14C01 M 09/11/67 5050 1230	--	8.5	246	13	12	19	--	4.0	96	--	18	--	--	0.1	--	--	80
				.65	.99	.83		.13	1.57		.51						0
05N/04W-15E01 M 09/11/67 5050 1300	--	--	446	--	--	--	--	--	--	--	38	--	--	0.1	--	--	--
											1.07						
05N/04W-20R02 M 09/11/67 5050 0945	--	--	754	--	--	--	--	--	--	--	109	--	--	--	--	--	--
											3.07						
05N/04W-21P02 M 09/11/67 5050 0915	--	8.6	2420	31	12	470	--	44	354	--	450	--	--	0.6	--	--	125
				1.55	.99	20.45		1.47	5.81		12.69						0
05N/04W-29H01 M 09/11/67 5050 1130	--	--	410	--	--	--	--	--	--	--	30	--	--	0.0	--	--	--
											.85						
06N/04W-06P01 M 09/11/67 5050 1500	--	--	378	--	--	--	--	--	--	--	14	--	--	0.1	--	--	--
											.39						
06N/04W-15U01 M 09/08/67 5050 1300	--	8.3	259	11	6.7	33	--	0.0	128	--	7.8	1.9	--	0.2	--	--	55
				.55	.55	1.44			2.10		.22	.03					0
09N/07W-25N01 M 09/11/67 5050 1400	--	8.7	992	12	4.4	177	--	22	142	--	185	--	--	10.0	--	--	48
				.60	.36	7.70		.73	2.33		5.22						0
SONOMA VALLEY (2-2.02)																	
04N/05W-14D02 M 08/28/67 5050	--	8.8	1000	12	9.2	191	--	24	252	--	121	--	--	0.2	--	--	68
				.60	.76	8.31		.80	4.13		3.41						0
04N/05W-32B01 M 08/28/67 5050	--	--	3190	--	--	--	--	--	--	--	699	19	--	2.6	--	--	--
											19.71	.31					
05N/05W-18D02 M 08/28/67 5050	--	8.7	525	25	22	44	--	10	145	--	38	45	--	0.2	--	--	152
				1.25	1.81	1.91		.33	2.38		1.07	.72					17

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP FLO	PH L44 FLO	EC LAR FLO	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TH	
SONOMA VALLEY (2-2.02) (CONT.)																		
05N/05W-20M01 M 08/27/67 5050	--	--	472	--	--	191 4.31	--	--	--	--	48 1.35	--	--	4.1	--	--	--	
05N/06W-12F01 M 08/28/67 5050	--	--	432	--	--	--	--	--	--	--	25 .71	--	--	0.5	--	--	--	
05N/06W-25P01 M 08/28/67 5050	--	--	582	--	--	--	--	--	--	--	11 .31	--	--	1.4	--	--	--	
06N/06W-23M02 M 08/28/67 5050	--	8.5	522	13 .65	7.9 .65	71 3.04	--	6.0 .20	128 2.10	--	79 2.23	--	--	1.6	--	--	65 0	
06N/06W-26E01 M 08/28/67 5050	--	--	439	--	--	--	--	--	--	--	53 1.49	--	--	1.8	--	--	--	
SHILSHUM - FAIRFIELD (2-3.00)																		
03N/01F-04M01 M 08/16/67 5050 1315	--	--	1460	--	--	--	--	--	--	--	248 6.99	--	--	0.6	--	--	--	
03N/01F-21U01 M 08/16/67 5050 1300	--	--	1840	--	--	--	--	--	--	--	166 4.68	--	--	7.9	--	--	--	
03N/01F-22F02 M 08/16/67 5050 1245	--	9.1	1930	34 1.70	40 3.29	324 14.09	--	51 1.70	406 6.66	--	298 8.40	--	--	3.6	--	--	252 0	
04N/01F-08F01 M 08/16/67 5050 1335	--	8.7	1040	43 2.15	28 2.30	122 5.31	--	16 .53	198 3.25	--	160 4.51	--	--	0.7	--	--	222 33	
04N/01W-33A01 M 08/16/67 5050 1500	--	--	3840	--	--	--	--	--	--	--	824 23.24	--	--	16.0	--	--	--	
04N/02W-04M01 M 08/17/67 5050 1100	--	--	1490	--	--	--	--	--	--	--	62 1.75	--	--	1.3	--	--	--	

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS
SUISUN - FAIRFIELD (2-3.00) (CONT.)																
04N/02W-05Q02 M 08/17/67 5050 1130	--	--	956	--	--	--	--	--	--	--	91	--	--	0.5	--	--
04N/02W-09H01 M 08/17/67 5050 1230	--	--	3780	--	--	--	--	--	--	--	985 27.78	--	--	5.0	--	--
04N/02W-18M01 M 08/18/67 5050 1200	--	--	1130	--	--	--	--	--	--	--	98 2.76	--	--	0.6	--	--
04N/03W-13G02 M 08/17/67 5050 1130	--	8.3	978	57 2.84	33 2.71	97 4.22	--	0.0	291 4.77	--	75 2.12	--	--	0.8	--	278 40
05N/01W-25R01 M 08/17/67 5050 0830	--	8.1	1720	112 5.59	32 2.63	172 7.48	--	0.0	278 4.56	--	356 10.04	--	--	1.0	--	411 183
05N/02W-21P03 M 08/17/67 5050 1015	--	--	1110	--	--	--	--	--	--	--	72 2.03	--	--	1.0	--	--
05N/02W-34N01 M 08/17/67 5050 1045	--	--	1740	--	--	--	--	--	--	--	100 2.82	--	--	2.0	--	--
05N/02W-34P04 M 08/17/67 5050 1030	--	--	1160	--	--	--	--	--	--	--	27 .76	--	--	1.2	--	--
PITTSBURG PLAIN (2-4.00)																
02N/01F-07R02 M 08/23/67 5050 0915	--	--	3480	--	--	--	--	--	--	--	670 18.89	--	--	--	--	--
02N/02E-20A01 M 08/23/67 5050 0830	--	--	1540	--	--	--	--	--	--	--	225 6.35	46 .74	--	--	--	--
CLAYTON VALLEY (2-5.00)																
01N/01W-04A01 M 08/21/67 5050 0800	--	8.2	759	67 3.34	40 3.29	32 1.39	--	0.0	336 5.51	--	26 .73	--	--	0.4	--	331 56

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION WFL NUMBER DATE TIME	TEMP F	PH LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	SI02	TH	
CLAYTON VALLEY (2-5.00) (CONT.)															
02N/01W-30J01 M 08/18/67 5050 1016	--	8.2	1100	94	58	62	--	0.0	439	--	55	--	--	0.5	448
				4.19	4.77	2.70		7.20		1.55					88
02N/01W-30K01 M 08/18/67 5050 1030	--	--	1380	--	--	--	--	--	--	92	--	--	1.1	--	--
										2.59					
02N/02W-13P01 M 08/21/67 5050 0905	--	7.8	1030	42	35	114	--	0.0	259	--	140	--	--	0.4	248
				2.10	2.88	4.96		4.25		3.95					36
02N/02W-26B01 M 08/21/67 5050 0845	--	8.2	949	53	43	92	--	0.0	357	--	132	--	--	1.0	310
				2.64	3.53	4.00		5.85		3.72					18
02N/02W-36J01 M 08/18/67 5050 0910	--	--	1270	--	--	--	--	--	--	152	36	--	--	--	--
										4.29	.58				
YGNACIO VALLEY (2-6.00)															
01N/01W-07K01 M 08/18/67 5050 1230	--	8.5	2270	119	67	300	--	8.0	430	--	166	--	--	1.0	571
				5.94	5.51	13.05		.27	7.05		4.68				205
01N/01W-24K01 M 08/18/67 5050 1300	--	8.2	2140	124	68	241	--	0.0	538	--	274	--	--	1.1	590
				6.19	5.59	10.64		8.82		7.73					149
01N/02W-11N01 M 08/18/67 5050 1345	--	8.3	1140	80	33	132	--	0.0	493	--	125	--	--	1.4	335
				3.99	2.71	5.74		8.09		3.53					0
01N/02W-13P01 M 08/18/67 5050 1315	--	8.1	1360	74	67	114	--	0.0	493	--	105	--	--	1.4	460
				3.69	5.51	4.96		8.09		2.96					56
02N/02W-36E01 M 08/18/67 5050 0815	--	--	3260	--	--	--	--	--	--	448	200	--	1.3	--	--
										9.32	13.20	3.22			
SANTA CLARA VALLEY - EAST RAY (2-9.01)															
01S/04W-04A01 M 07/20/67 5050 1230	--	8.5	1340	89	61	95	--	12	330	--	180	--	--	0.1	473
				4.44	5.01	4.13		.40	5.41		5.08				183

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	TEMP	PH	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	403	F	H	5102	TDS	4CH
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
015/04w-34F02 M 07/20/67 5050 1000	--	8.2	621	20	1.5	4.0	--	0.0	158	--	32	--	0.1	--	--	111	0
				1.00	1.23	3.44			2.59		2.31						
025/03w-08A01 M 07/21/67 5050 1525	--	8.2	3120	224	122	174	--	0.0	207	--	620	--	0.2	--	--	1060	889
				11.15	10.03	7.57			3.43		17.48						
025/03w-21J01 M 07/21/67 5050	--	8.0	5090	427	185	275	--	0.0	255	--	1440	--	0.3	--	--	1830	1622
				21.31	15.21	12.01			4.18		40.61						
025/03w-30A02 M 07/21/67 5050 1230	--	8.3	880	57	18	97	--	0.0	279	--	109	--	0.4	--	--	216	0
				2.84	1.48	4.22			4.58		3.07						
025/03w-30B02 M 07/21/67 5050 1210	--	8.1	3480	255	103	262	--	0.0	186	--	933	--	0.3	--	--	1060	908
				12.72	8.47	11.40			3.05		26.31						
025/03w-33H03 M 07/21/67 5050 1400	--	8.5	649	35	18	74	--	10	243	--	28	--	0.4	--	--	163	0
				1.75	1.48	3.44			.33		.79						
025/03w-34A02 M 07/21/67 5050 1345	--	8.3	778	65	36	45	--	0.0	341	--	36	--	0.3	--	--	310	31
				3.24	2.96	1.96			5.59		1.02						
025/04w-03E01 M 07/21/67 5050 1115	--	8.5	799	42	18	106	--	8.0	270	--	86	--	0.4	--	--	179	0
				2.10	1.48	4.61		.27	4.43		2.43						
025/04w-12A01 M 07/21/67 5050 1150	--	8.3	386	22	10	60	--	0.0	156	--	38	--	0.2	--	--	96	0
				1.10	.82	1.74			2.56		1.07						
025/04w-25A01 M 07/21/67 5050 1220	--	9.0	841	52	13	116	--	19	263	--	91	--	0.5	--	--	183	0
				2.59	1.07	5.05		.63	4.31		2.57						
035/02w-07J01 M 07/21/67 5050 1510	--	8.7	1120	120	36	75	--	8.0	409	--	78	--	0.5	--	--	448	99
				5.99	2.96	3.26		.27	6.71		2.20						
035/02w-19A04 M 07/21/67 5050 1525	--	8.6	1240	139	37	77	--	16	383	--	123	--	0.3	--	--	499	159
				6.94	3.04	3.35		.53	6.28		3.47						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION DATE TIME	WELL LAT SAMPLER	PH		FC		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
		LAH FLO	LAH FLO	LAH FLO	LAH FLO	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SiO ₂	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																			
035/02w-10K14 M 07/21/67 5050 1540		--	8.1	1370	147	41	94	--	0.0	485	--	142	--	--	0.5	--	--	536	139
					7.34	3.37	4.07			7.95		4.00							
035/02w-12K012 M 07/21/67 5050 1540		--	8.1	1009	46	9.2	125	--	10	250	--	83	--	--	0.6	--	--	153	0
					2.30	1.76	5.44		.33	4.10		2.34							
035/03w-11K014 M 07/21/67 5050 1445		--	8.3	1020	34	19	152	--	0.0	334	--	122	--	--	0.8	--	--	163	0
					1.70	1.56	6.61			5.48		3.44							
035/03w-13K012 M 07/21/67 5050 1500		--	8.5	1420	115	65	210	--	11	633	--	136	--	--	1.4	--	--	562	25
					5.44	5.34	9.14		.37	10.38		3.84							
035/03w-24K012 M 07/21/67 5050 1530		--	8.7	2140	145	85	174	--	24	402	--	315	--	--	0.6	--	--	761	392
					4.23	6.99	7.53		.40	6.59		4.88							
045/01w-07K012 M 05/16/67 5050		--	--	1120	--	--	--	--	--	--	--	78	--	--	--	--	--	--	--
												2.20							
045/01w-07K012 M 09/18/67 5050 1400		--	--	941	--	--	--	--	--	--	--	60	--	--	--	--	--	--	--
												1.69							
045/01w-07K014 M 05/08/67 5050		--	--	1150	--	--	--	--	--	--	--	94	--	--	--	--	--	--	--
												2.65							
045/01w-07K014 M 09/24/67 5050		--	--	1270	--	--	--	--	--	--	--	157	118	--	--	--	--	--	--
												4.43	1.90						
045/01w-07K014 M 05/02/67 5050 1430		--	--	1140	--	--	--	--	--	--	--	112	--	--	--	--	--	--	--
												3.16							
045/01w-07K014 M 09/14/67 5050 1400		--	--	1270	--	--	--	--	--	--	--	153	66	--	--	--	--	--	--
												4.31	1.06						
045/01w-17K012 M 05/04/67 5050		--	--	1410	--	--	--	--	--	--	--	435	--	--	--	--	--	--	--
												12.27							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTIVE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH		
			SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER							
			LAH FLD	EC FLD	CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F			B	SI02
04S/01W-17E02 M 09/18/67 5050	--	7.7	2160	212	90	91	--	0.0	330	--	454	--	--	0.3	--	--	899	629
				10.58	7.40	3.96			5.41		12.80							
04S/01W-18C02 M 05/02/67 5050 1100	--	--	1380	--	--	--	--	--	--	--	160	--	--	--	--	--	--	--
											4.51							
04S/01W-18C02 M 09/18/67 5050 1500	--	8.4	1170	110	50	63	--	8.0	345	--	113	--	--	0.2	--	--	480	184
				5.49	4.11	2.74		.27	5.66		3.19							
04S/01W-18G01 M 09/18/67 5050	--	--	2070	--	--	--	--	--	--	--	420	--	--	--	--	--	--	--
											11.84							
04S/01W-18H03 M 04/18/67 5050	--	--	1660	--	--	--	--	--	--	--	347	--	--	--	--	--	--	--
											9.79							
04S/01W-18H03 M 09/18/67 5050	--	--	2320	--	--	--	--	--	--	--	545	--	--	--	--	--	--	--
											15.37							
04S/01W-18M07 M 04/18/67 5050	--	--	3040	--	--	--	--	--	--	--	781	--	--	--	--	--	--	--
											22.02							
04S/01W-18M07 M 09/18/67 5050	--	8.0	3150	304	130	110	--	0.0	251	--	798	--	--	0.3	--	--	1293	1088
				15.17	10.69	4.79			4.12		22.50							
04S/01W-20D02 M 09/21/67 5050 1100	--	--	766	--	--	--	--	--	--	--	102	--	--	--	--	--	--	--
											2.88							
04S/01W-20E01 M 04/18/67 5050	--	--	753	--	--	--	--	--	--	--	100	--	--	--	--	--	--	--
											2.82							
04S/01W-20E01 M 09/18/67 5050	--	--	812	--	--	--	--	--	--	--	101	--	--	--	--	--	--	--
											2.85							
04S/01W-20H02 M 04/18/67 5050	--	--	800	--	--	--	--	--	--	--	72	--	--	--	--	--	--	--
											2.03							

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F/D	PH F/D	EC F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
				LAH F/D	LAH F/D	CA	MG	NA	K	CU3	HC03	SO4	CL	NO3	F	B	SI02	TDS SUM
				SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)														
04S/01W-21F02 M 12/13/66 5050 1020	--	8.1	715	47 2.35 36	22 1.81 27	54 2.35 36	3.2 .08 1	0.0 2.51 38	153 1.14 17	55 2.99 45	106 0.4 1	2.4 0.4 1	--	0.4	--	--	410 365 84	
04S/01W-21F02 M 03/07/67 5050 1025	--	7.5	713	52 2.59 38	20 1.64 24	57 2.48 37	3.0 .08 1	0.0 2.57 39	157 1.52 23	73 2.43 37	86 .12 2	7.6 0.3 2	--	0.3	--	--	420 376 86	
04S/01W-21F02 M 06/07/67 5050 1000	--	8.6	620	44 2.20 36	18 1.48 25	53 2.31 34	2.1 .05 1	9.0 .30 5	176 2.89 47	73 1.52 25	48 1.35 22	8.4 .14 2	--	0.4	--	--	324 342 26	
04S/01W-21K03 M 05/09/67 5050	--	--	544	--	--	--	--	--	--	--	27 .76	--	--	--	--	--	--	--
04S/01W-21K03 M 09/26/67 5050	--	--	588	--	--	--	--	--	--	--	35 .99	--	--	--	--	--	--	--
04S/01W-21P06 M 12/13/66 5050 1000	--	--	691	--	--	--	--	--	--	--	--	--	--	--	--	--	350	--
04S/01W-21P06 M 03/07/67 5050 0940	--	7.7	711	61 3.04 42	24 1.97 28	48 2.09 29	2.2 .06 1	0.0 4.10 58	250 1.29 18	62 1.58 22	56 0.7 22	4.2 0.7 1	--	0.5	--	--	395 380 47	
04S/01W-21P06 M 06/07/67 5050 0930	--	8.5	671	56 2.79 41	24 1.97 29	46 2.00 29	1.5 .04 1	9.0 .30 4	239 3.92 57	69 1.44 21	41 1.16 17	6.6 0.11 2	--	0.6	--	--	368 371 29	
04S/01W-21R02 M 04/18/67 5050	--	--	702	--	--	--	--	--	--	--	69 1.95	--	--	--	--	--	--	--
04S/01W-21R02 M 09/18/67 5050	--	8.6	842	76 3.79	29 2.38	54 2.35	--	14 .47	265 4.35	--	73 2.06	--	--	0.6	--	--	309 68	
04S/01W-21R04 M 05/09/67 5050	--	--	530	--	--	--	--	--	--	--	28 .79	--	--	--	--	--	--	--
04S/01W-21R04 M 09/20/67 5050	--	--	539	--	--	--	--	--	--	--	23 .65	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATF WELL NUMBER DATE TIME	TEMP F/D	PH L/H F/D	EC F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS						
				CA	MG	NA	K	CO3	HCO3	S04	CL	N03	F	B	SI02	SUM	TH	NCH
				SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)														
04S/01W-22N02 M 05/09/67 5050	--	--	1090	--	--	--	--	--	--	--	71	--	--	--	--	--	--	--
											2.00							
04S/01W-22N02 M 09/25/67 5050	--	8.2	1070	54	21	185	--	0.0	5.7	--	68	--	--	2.1	--	--	221	0
				2.69	1.73	8.05			8.97		1.92							
04S/01W-28N02 M 05/12/67 5050	--	--	755	--	--	--	--	--	--	--	42	--	--	--	--	--	--	--
											1.18							
04S/01W-28N02 M 09/20/67 5050 1400	--	8.5	778	66	30	64	--	6.0	336	--	46	--	--	0.6	--	--	288	3
				3.29	2.47	2.95		.20	5.51		1.30							
04S/01W-28C01 M 04/17/67 5050	--	--	743	--	--	--	--	--	--	--	71	--	--	--	--	--	--	--
											2.00							
04S/01W-28C14 M 04/17/67 5050	--	--	791	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--
											1.61							
04S/01W-28C14 M 09/18/67 5050	--	8.4	640	69	24	44	--	6.0	266	--	55	--	--	0.2	--	--	271	43
				3.44	1.97	1.91		.20	4.36		1.55							
04S/01W-28D04 M 05/12/67 5050	--	--	806	--	--	--	--	--	--	--	75	--	--	--	--	--	--	--
											2.12							
04S/01W-28D04 M 09/20/67 5050 1330	--	8.5	812	70	30	45	--	17	239	--	78	--	--	0.4	--	--	298	74
				3.49	2.47	1.95		.57	3.92		2.20							
04S/01W-28D09 M 04/17/67 5050	--	--	758	--	--	--	--	--	--	--	79	--	--	--	--	--	--	--
											2.23							
04S/01W-28D09 M 09/18/67 5050	--	--	740	--	--	--	--	--	--	--	101	--	--	--	--	--	--	--
											2.85							
04S/01W-28F05 M 04/19/67 5050	--	--	603	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--
											.76							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STAFF WELL NUMBER DATE LAH TIME SAMPLER	pH LAH FLU	FC LAH FLD	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS				
			Ca	Mg	Na	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	SUM	TH	NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
04S/01w-24f05 M 09/18/67 5050	--	8.4	566	50	14	49	--	16	246	--	31	--	--	0.3	--	--	211
			2.74	1.46	2.13			.53	4.03		.87						0
04S/01w-24L01 M 05/17/67 5050	--	2770	--	--	--	--	--	--	--	--	635	--	--	--	--	--	--
											17.91						
04S/01w-24L01 M 09/25/67 5050	--	2070	--	--	--	--	--	--	--	--	353	53	--	--	--	--	--
											9.95	.45					
04S/01w-24J05 M 05/12/67 5050	--	4840	--	--	--	--	--	--	--	--	1360	--	--	--	--	--	--
											38.35						
04S/01w-24J04 M 09/21/67 5050 1500	--	4.0	4450	386	143	215	--	0.0	414	--	1220	--	0.7	--	--	1720	1382
				19.36	15.04	9.35		0.79		34.40							
04S/01w-24L12 A 04/19/67 5050	--	4100	--	--	--	--	--	--	--	--	419	--	--	--	--	--	--
											23.10						
04S/01w-24L12 M 09/26/67 5050	--	4.2	2630	242	96	72	--	0.0	148	--	681	--	0.2	--	--	999	878
				12.05	7.84	4.13		2.43		14.20							
04S/01w-30L03 M 04/17/67 5050	--	1110	--	--	--	--	--	--	--	--	191	--	--	--	--	--	--
											5.39						
04S/01w-30f03 A 09/14/67 5050	--	4.3	1440	148	40	92	--	0.0	225	--	327	--	0.2	--	--	534	350
				7.39	3.29	4.00		3.69		9.22							
04S/01w-30f03 M 04/05/67 5050	--	1410	--	--	--	--	--	--	--	--	317	--	--	--	--	--	--
											4.94						
04S/01w-30L03 M 09/21/67 5050 1400	--	1640	--	--	--	--	--	--	--	--	388	--	--	--	--	--	--
											10.94						
04S/01w-31A02 M 05/05/67 5050	--	4520	--	--	--	--	--	--	--	--	1000	--	--	--	--	--	--
											24.20						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STAFF WELL NUMBER DATE LAST TIME SAMPLED	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
	PH	EC LA3 FLU	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	D	SI02	TDS SUM	TH	NCH
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
045/01w-31a12 M 09/22/67 5050	--	--	3610	--	--	--	--	--	--	--	988 27.86	--	--	--	--	--	--
045/01w-31a03 M 04/19/67 5050	--	--	1400	--	--	--	--	--	--	--	422 11.90	--	--	--	--	--	--
045/01w-31a03 M 09/24/67 5050	--	8.2	1990	174 4.64	92 5.34	75 4.26	--	0.0	140 2.30	--	480 13.54	--	--	0.2	--	--	702 587
045/01w-33a01 M 05/12/67 5050	--	--	1530	--	--	--	--	--	--	--	105 2.96	--	--	--	--	--	--
045/01w-33a01 M 09/26/67 5050	--	8.7	1020	66 3.24	45 3.70	85 3.70	--	15 .50	286 4.64	--	99 2.79	--	--	0.4	--	--	349 90
045/01w-33a01 M 05/05/67 5050	--	--	4900	--	--	--	--	--	--	--	1440 40.61	--	--	--	--	--	--
045/01w-33a01 M 09/22/67 5050	--	--	5100	--	--	--	--	--	--	--	1460 41.17	--	--	--	--	--	--
045/01w-34a04 M 05/04/67 5050	--	--	1120	--	--	--	--	--	--	--	99 2.79	--	--	--	--	--	--
045/01w-34a04 M 09/22/67 5050	--	8.1	1110	128 6.33	42 3.45	47 4.22	--	0.0	454 7.45	--	150 4.23	--	--	0.1	--	--	492 120
045/01w-34a02 M 04/17/67 5050	--	--	1050	--	--	--	--	--	--	--	113 3.19	--	--	--	--	--	--
045/01w-34a02 M 09/14/67 5050	--	8.5	506	44 2.45	18 1.44	78 3.33	--	14 .47	319 5.23	--	41 1.16	--	--	0.0	--	--	196 0
045/01w-35a04 M 04/17/67 5050	--	--	744	--	--	--	--	--	--	--	44 1.24	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAT LONG	PC FL	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
			Fe	Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	CL	F	S	SiO ₂		
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																
045/010-05001 4 09/18/61 5050		--	0.1	6.1	5.0	1.5	1.5	0.0	3.0	--	38	--	--	0.1	--	199
					2.30	1.44	3.57		6.07		1.07					0
045/020-05001 4 05/05/61 5050		--	--	6.0	--	--	--	--	--	--	23	--	--	--	--	--
											.65					--
045/020-05001 4 09/26/61 5050		--	0.1	6.34	4.7	1.1	1.4	0.0	2.60	--	20	--	0.2	--	--	138
					1.45	.90	3.65		.67	4.26	.56					0
045/020-05002 4 07/24/61 5050		--	0.1	1.60	1.45	.44	1.45	0.0	1.88	--	414	--	0.4	--	--	562
					7.23	3.75	6.55		3.08		11.67					408
045/020-05002 4 09/26/61 5050		--	1.4	1.40	1.41	.53	1.57	0.0	2.02	--	420	--	0.2	--	--	570
					7.14	4.40	7.54		3.31		11.84					405
045/020-10001 4 05/02/61 5050		--	--	7.47	--	--	--	--	--	--	83	--	--	--	--	--
											2.34					--
045/020-10001 4 09/26/61 5050		--	0.5	6.24	4.8	1.7	4.5	0.0	2.18	--	37	--	0.2	--	--	190
					2.43	1.40	2.07		4.23	3.58	1.04					0
045/020-10001 4 05/16/61 5050		--	--	6.41	--	--	--	--	--	--	36	--	--	--	--	--
											1.02					--
045/020-10001 4 09/26/61 5050		--	--	7.56	--	--	--	--	--	--	56	--	--	--	--	--
											1.58					--
045/020-10001 4 04/14/61 5050		--	--	2.00	--	--	--	--	--	--	67	--	--	--	--	--
											21.63					--
045/020-10005 4 09/26/61 5050		--	0.4	1.50	1.2	.33	1.07	0.0	2.44	--	448	--	0.2	--	--	458
					6.44	2.71	6.07		6.00		4.81					258
045/020-10007 4 05/02/61 5050		--	--	2.00	--	--	--	--	--	--	516	--	--	--	--	--
											14.55					--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER LAH DATE TIME	PH TEMP FLU	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
			CA	MG	NA	K	CU3	HCO3	SO4	CL	N03	F	H	SI02	TDS SUM	TH NCH	
			SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)														
04S/02W-11002 M 09/27/67 5050	--	8.0	2830	236	126	167	--	0.0	401	--	529	--	0.3	--	--	1116	788
				11.7H	10.52	7.26			6.58		14.92						
04S/02W-11003 M 04/18/67 5050	--	--	2230	--	--	--	--	--	--	--	322	--	--	--	--	--	--
											9.0H						
04S/02W-11003 M 09/19/67 5050	--	--	2520	--	--	--	--	--	--	--	349	--	--	--	--	--	--
											9.84						
04S/02W-11002 M 04/18/67 5050	--	--	421	--	--	--	--	--	--	--	48	--	--	--	--	--	--
											1.35						
04S/02W-11002 M 09/18/67 5050	--	--	406	--	--	--	--	--	--	--	39	15	--	--	--	--	--
											1.10	4.24					
04S/02W-11001 M 05/07/67 5050	--	--	1800	--	--	--	--	--	--	--	136	--	--	--	--	--	--
											3.84						
04S/02W-11001 M 09/26/67 5050	--	--	1640	--	--	--	--	--	--	--	123	406	--	--	--	--	--
											3.47	6.54					
04S/02W-11010 M 05/02/67 5050	--	--	712	--	--	--	--	--	--	--	42	--	--	--	--	--	--
											1.18						
04S/02W-11010 M 09/26/67 5050	--	8.5	632	79	21	42	--	8.0	281	--	43	--	0.1	--	--	283	39
				3.94	1.73	1.83		.27	4.61	1.21							
04S/02W-11012 M 09/26/67 5050	--	--	980	--	--	--	--	--	--	--	62	50	--	--	--	--	--
											1.75	.81					
04S/02W-11012 M 05/03/67 5050	--	--	1520	--	--	--	--	--	--	--	117	--	--	--	--	--	--
											3.30						
04S/02W-11012 M 09/26/67 5050	--	--	1700	--	--	--	--	--	--	--	128	208	--	--	--	--	--
											3.61	3.35					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH LAR	EC FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS				
				CA	MG	NA	K	CO3	HCO3	504	CL	NO3	F	H	SI02	SUM	TH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
04S/02W-12C01 M 04/17/67 5050	--	--	590	--	--	--	--	--	--	--	34 .96	--	--	--	--	--	--
04S/02W-12C01 M 09/18/67 5050	--	--	629	--	--	--	--	--	--	--	53 1.49	--	--	--	--	--	--
04S/02W-12N04 M 05/03/67 5050	--	--	1000	--	--	--	--	--	--	--	67 1.89	--	--	--	--	--	--
04S/02W-12N04 M 09/25/67 5050	--	--	951	--	--	--	--	--	--	--	60 1.69	68 1.09	--	--	--	--	--
04S/02W-12P02 M 05/17/67 5050	--	--	907	--	--	--	--	--	--	--	63 1.78	--	--	--	--	--	--
04S/02W-12P02 M 09/00/67 5050	--	--	914	--	--	--	--	--	--	--	65 1.83	54 .87	--	--	--	--	--
04S/02W-13C02 M 05/18/67 5050	--	--	1570	--	--	--	--	--	--	--	172 4.85	--	--	--	--	--	--
04S/02W-13C02 M 09/26/67 5050	--	--	1490	--	--	--	--	--	--	--	171 4.82	--	--	--	--	--	--
04S/02W-14B03 M 05/15/67 5050	--	--	2320	--	--	--	--	--	--	--	365 10.29	--	--	--	--	--	--
04S/02W-14E01 M 05/08/67 5050	--	--	4330	--	--	--	--	--	--	--	984 27.75	--	--	--	--	--	--
04S/02W-14E01 M 09/20/67 5050	--	8.1	4900	426 21.26	222 18.25	256 11.14	--	0.0 6.69	408	--	1130 31.87	--	--	0.4	--	--	1980 1647
04S/02W-14J01 M 05/08/67 5050	--	--	1260	--	--	--	--	--	--	--	209 5.89	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION NAME DATE TIME	CELL NUMBER LAB SAMPLER	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM
				SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)												
04S/02W-14J01 M 09/21/67 5050		--	8.5	1320	135	43	50	--	14	267	--	201	--	0.3	--	513
				6.74	3.53	2.18			.47	4.38	5.67					271
04S/02W-15C01 M 05/03/67 5050		--	--	491	--	--	--	--	--	--	--	25	.71	--	--	--
04S/02W-15C01 M 09/20/67 5050		--	8.3	528	44	15	40	--	0.0	218	--	27	.76	--	0.1	--
				2.20	1.23	1.74				3.58	.76					172 0
04S/02W-15L04 M 05/02/67 5050		--	--	1020	--	--	--	--	--	--	--	144	4.06	--	--	--
04S/02W-15L04 M 09/20/67 5050		--	9.1	1030	113	34	45	--	16	244	--	163	4.60	--	0.2	--
				5.64	2.79	1.96			.53	4.00	4.60					422 196
04S/02W-22P02 M 05/18/67 5050		--	--	583	--	--	--	--	--	--	--	27	.76	--	--	--
04S/02W-22P02 M 09/21/67 5050		--	9.2	621	26	7.2	93	--	26	212	--	28	.79	--	0.2	--
				1.30	.59	4.05			.87	3.48	.79					94 0
04S/02W-23F02 M 05/15/67 5050		--	--	2040	--	--	--	--	--	--	--	457	12.89	--	--	--
04S/02W-23F02 M 09/25/67 5050		--	7.7	2540	281	90	66	--	0.0	275	--	632	17.82	--	0.4	--
				14.02	7.40	2.87				4.51	17.82					1070 845
04S/02W-24J04 M 05/03/67 5050 1130		--	--	666	--	--	--	--	--	--	--	37	1.04	--	--	--
04S/02W-24J04 M 09/14/67 5050 1600		--	8.6	615	69	21	35	--	11	256	--	37	1.04	--	0.2	--
				3.34	1.73	1.52			.37	4.20	1.04					256 28
04S/02W-24F06 M 05/03/67 5050 1115		--	--	5640	--	--	--	--	--	--	--	1670	47.09	--	--	--

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
04S/02W-24F06 M 09/26/67 5050	--	7.6	5050	426	246	145	--	0.0	202	--	1410	--	--	0.4	--	--	2080 1916
				21.26	20.22	6.31			3.31		39.76						
04S/02W-24L06 M 05/04/67 5050 1150	--	--	780	--	--	--	--	--	--	--	85	--	--	--	--	--	--
											2.40						
04S/02W-24L06 M 09/22/67 5050	--	8.2	909	98	26	52	--	0.0	239	--	159	--	--	0.4	--	--	351 155
				4.89	2.14	2.26			3.92		4.48						
04S/02W-26A01 M 05/00/67 5050 1600	--	--	1250	--	--	--	--	--	--	--	246	--	--	--	--	--	--
											6.94						
04S/02W-27L01 M 04/18/67 5050	--	--	613	--	--	--	--	--	--	--	23	--	--	--	--	--	--
											.65						
04S/02W-27L01 M 09/26/67 5050	--	--	629	--	--	--	--	--	--	--	31	--	--	--	--	--	--
											.87						
04S/02W-35F01 M 05/03/67 5050	--	--	1480	--	--	--	--	--	--	--	315	--	--	--	--	--	--
											8.88						
04S/02W-35F01 M 09/19/67 5050 1600	--	--	1460	--	--	--	--	--	--	--	308	--	--	--	--	--	--
											8.69						
05S/01W-03M01 M 04/18/67 5050	--	--	1110	--	--	--	--	--	--	--	172	--	--	--	--	--	--
											4.85						
05S/01W-04U01 M 04/17/67 5050	--	--	601	--	--	--	--	--	--	--	24	--	--	--	--	--	--
											.68						
05S/01W-04U01 M 09/18/67 5050	--	--	599	--	--	--	--	--	--	--	23	--	--	--	--	--	--
											.65						
05S/01W-06U01 M 05/03/67 5050	--	--	3280	--	--	--	--	--	--	--	932	--	--	--	--	--	--
											26.28						

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02		
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
055/01W-08A03 M 05/08/67 5050	--	--	675	--	--	--	--	--	--	--	17	--	--	--	--	--	--
											.48						
055/01W-08A03 M 09/25/67 5050	--	8.6	630	18	3.6	119	--	12	295	--	17	--	--	0.5	--	--	60
				.40	.30	5.18		.40	4.84		.48						0
055/01W-09K01 M 05/08/67 5050	--	--	1180	--	--	--	--	--	--	--	198	--	--	--	--	--	--
											5.58						
055/01W-09K01 M 09/25/67 5050	--	8.2	1960	153	70	116	--	0.0	244	--	428	--	--	0.4	--	--	671
				7.63	5.75	5.05			4.00		12.07						471
055/01W-09M01 M 05/08/67 5050	--	--	2220	--	--	--	--	--	--	--	542	--	--	--	--	--	--
											15.28						
055/01W-09M01 M 09/21/67 5050	--	8.7	2370	197	74	150	--	19	243	--	539	--	--	0.3	--	--	797
				9.83	6.08	6.53		.63	3.99		15.20						566
055/01W-15C01 M 05/08/67 5050	--	--	902	--	--	--	--	--	--	--	59	--	--	--	--	--	--
											1.66						
055/01W-15C01 M 09/22/67 5050	--	--	775	--	--	--	--	--	--	--	54	--	--	--	--	--	--
											1.52						
055/01W-17A01 M 04/18/67 5050	--	--	686	--	--	--	--	--	--	--	29	--	--	--	--	--	--
											.82						
055/01W-17A01 M 09/18/67 5050	--	--	694	--	--	--	--	--	--	--	30	--	--	--	--	--	--
											.85						
055/02W-01N01 M 05/08/67 5050 1100	--	--	449	--	--	--	--	--	--	--	15	--	--	--	--	--	--
											.42						
055/02W-01N01 M 09/25/67 5050	--	8.7	451	3.8	2.3	94	--	8.0	200	--	15	--	--	0.3	--	--	19
				.19	.19	4.09		.27	3.28		.42						0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAB SAMPLER	TEMP FLD	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	5102	TDS SUM
SANTA CLARA VALLEY - SOUTH BAY (2-9-02)																
06S/01E-27C02 M 09/22/67 5050 1330	--	9.0	847	57	23	76	--	22	276	--	53	--	--	1.4	--	236 0
06S/01F-28A04 M 09/22/67 5050 1410	--	9.0	791	31	40	76	--	20	264	--	60	--	--	1.0	--	241 0
06S/01W-11H01 M 09/25/67 5050 1000	--	9.0	615	68	20	38	--	24	263	--	23	--	--	0.2	--	252 0
06S/01W-14E01 M 09/25/67 5050 1030	--	8.8	974	91	26	65	--	14	198	--	153	--	--	0.2	--	336 150
06S/02F-04U02 M 08/29/67 5050 1050	--	8.6	645	50	19	60	--	14	241	--	33	--	--	0.2	--	203 0
06S/02W-04H01 M 08/28/67 5050 1025	--	8.7	568	40	13	64	--	14	235	--	32	--	--	0.3	--	153 0
06S/02W-24M03 M 08/29/67 5050 0935	--	8.5	581	50	18	48	--	8.0	248	--	32	--	--	0.1	--	199 0
07S/01F-20H01 M 09/15/67 5050 1120	--	--	928	--	--	--	--	--	--	--	43	8.4	--	0.2	--	--
07S/01F-25A02 M 09/15/67 5050 0920	--	8.8	991	26	96	49	--	29	449	--	67	--	--	0.2	--	458 42
07S/02F-14E01 M 09/15/67 5050 1150	--	--	1230	--	--	--	--	--	--	--	88	--	--	--	--	--
07S/02F-14E01 M 09/15/67 5050 0950	--	8.9	851	68	38	61	--	21	366	--	42	--	--	0.2	--	327 0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLO		EC LAB FLO				MINERAL CONSTITUENTS IN CA MG NA K				MILLIGRAMS PER LITER					MILLIGRAMS PER LITER							
											PERCENT REACTANCE VALUE					F B SI02					TDS SUM		TH NCH
											CO3	HC03	SO4	CL	NO3	F	B	SI02					
SANTA CLARA VALLEY - SOUTH BAY (2-9-02) (CONT.)																							
075/02E-33C04 M 09/15/67 5050 1040	--	--	899	--	--	--	--	--	--	53	--	--	--	--	--	--	--						
										1.49													
085/01E-04L04 M 08/31/67 5050 1120	--	8.8	476	41	28	15	--	12	200	--	16	--	--	0.1	--	--	217						
				2.05	2.30	.65		.40	3.28		.45						33						
085/01E-08R01 M 08/31/67 5050 0900	--	8.6	373	27	17	21	--	4.0	149	--	14	--	--	0.2	--	--	139						
				1.35	1.40	.91		.13	2.44		.39						11						
085/01E-10G01 M 09/21/67 5050 1020	--	8.5	524	55	18	26	--	6.0	204	--	24	--	--	0.1	--	--	213						
				2.74	1.48	1.13		.20	3.35		.68						36						
085/01E-16G01 M 09/01/67 5050 1035	--	8.6	394	30	19	19	--	6.0	156	--	15	--	--	0.2	--	--	155						
				1.50	1.56	.83		.20	2.56		.42						17						
085/01E-27C01 M 08/31/67 5050 0930	--	--	760	--	--	--	--	--	--	--	22	29	0.3	--	--	--	--						
											.62	.47											
085/02E-07F01 M 09/07/67 5050 0840	--	8.9	576	38	38	23	--	8.0	246	--	17	--	--	0.1	--	--	249						
				1.90	3.12	1.00		.27	4.03		.48						34						
085/02E-16E01 M 09/07/67 5050 1130	--	8.6	572	50	31	21	--	9.0	253	--	16	--	--	0.1	--	--	254						
				2.50	2.55	.91		.30	4.15		.45						32						
085/02E-17L02 M 09/07/67 5050 0925	--	--	593	--	--	--	--	--	--	--	16	--	--	--	--	--	--						
											.45												
085/02E-34A01 M 09/07/67 5050 1010	--	8.4	698	67	33	27	--	3.0	266	--	19	--	--	0.1	--	--	302						
				3.34	2.71	1.17		.10	4.36		.54						79						
085/01W-13A02 M 09/21/67 5050 0910	--	--	521	--	--	--	--	--	--	--	38	--	--	--	--	--	--						
											1.07												
095/02E-02C01 M 09/07/67 5050 1105	--	8.5	739	54	40	32	--	4.0	202	--	42	--	--	0.1	--	--	298						
				2.69	3.29	1.39		.13	3.31		1.18						126						

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE TIME	PH LAB FLO	TEMP	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			EC LAB FLO	CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	R	S102	TDS SUM
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (CONT.)																
095/03E-22803 M 09/12/67 5050 1110	--	--	503	--	--	--	--	--	--	--	15	--	--	--	--	--
											.42					
095/03E-36F03 M 09/12/67 5050 1230	--	8.6	484	46	19	24	--	9.0	184	--	19	--	0.1	--	--	194
				2.30	1.56	1.04		.30	3.02	.54						28
LIVERMORE VALLEY (2-10.00)																
025/02E-27K01 M 07/17/67 5050 1335	--	7.8	6540	256	70	946	--	0.0	207	--	1880	--	48.0	--	--	927
				12.77	5.75	4.15		3.39		53.02						758
025/02E-35G02 M 07/17/67 5050 1410	--	8.6	3240	72	64	506	--	24	340	--	748	--	7.3	--	--	442
				3.59	5.26	22.01		.80	5.58	21.09						123
035/01E-03J01 M 07/17/67 5050 1340	--	8.3	1280	61	43	155	--	0.0	404	--	155	--	2.3	--	--	329
				3.04	3.53	6.74		6.63		4.37						0
035/01E-08H03 M 07/18/67 5050 1330	--	8.3	997	64	66	44	--	0.0	375	--	93	--	0.6	--	--	431
				3.19	5.43	1.91		6.15		2.62						124
035/01E-09A01 M 07/17/67 5050 1600	--	8.7	1140	63	45	132	--	29	391	--	112	--	1.9	--	--	342
				3.14	3.70	5.74		.97	6.41	3.16						0
035/01E-09D01 M 07/18/67 5050 1410	--	7.8	3730	205	170	342	--	0.0	477	--	748	--	2.9	--	--	1211
				10.23	13.97	14.88		7.82		21.09						821
035/01E-09K02 M 07/18/67 5050 1430	--	8.4	1170	47	67	97	--	8.0	385	--	118	--	2.0	--	--	392
				2.35	5.51	4.22		.27	6.31	3.33						63
035/01E-09L01 M 07/18/67 5050 1430	--	8.4	1240	59	66	101	--	8.0	426	--	125	--	2.0	--	--	418
				2.94	5.43	4.39		.27	6.99	3.53						55
035/01E-09P01 M 07/18/67 5050 1415	--	8.3	1130	56	62	92	--	0.0	346	--	129	--	1.8	--	--	394
				2.79	5.10	4.00		5.67		3.64						111

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	MINERAL CONSTITUENTS IN LIVERMORE VALLEY (2-10.00) (CONT.)					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTION VALUE					MILLIGRAMS PER LITER TDS SUM				
			EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TH NCH	
03S/01E-10002 M 07/18/67 5050	--	8.5	704	70	32	30	--	8.0	272	--	45	--	--	0.4	--	306 70	
				3.49	2.63	1.31		.27	4.46		1.27						
03S/01E-11001 M 07/17/67 5050 1515	--	8.1	1500	122	84	107	--	0.0	414	--	79	--	--	1.4	--	650 311	
				6.09	6.90	4.65			6.79		2.23						
03S/01E-11E01 M 07/17/67 5050 1545	--	8.6	1450	73	89	92	--	16	425	--	205	--	--	1.1	--	548 173	
				3.64	7.32	4.00		.53	6.97		5.78						
03S/01E-11H01 M 07/18/67 5050 1500	--	8.4	935	52	58	100	--	6.0	326	--	96	--	--	0.5	--	368 91	
				2.59	4.77	4.35		.20	5.35		2.71						
03S/01E-13H02 M 07/18/67 5050 1510	--	8.6	710	51	26	60	--	10	273	--	58	--	--	0.9	--	234 0	
				2.54	2.14	2.61		.33	4.48		1.64						
03S/01E-15002 M 07/18/67 5050 1400	--	8.7	1590	104	39	265	--	24	549	--	32	--	--	1.8	--	420 0	
				5.19	3.21	11.53		.80	9.00		.90						
03S/01E-15L01 M 07/18/67 5050 1445	--	8.2	512	34	25	26	--	0.0	196	--	30	--	--	0.2	--	188 28	
				1.70	2.06	1.13			3.21		.85						
03S/01E-19A05 M 07/18/67 5050 1230	--	8.3	632	59	31	31	--	0.0	266	--	34	--	--	0.3	--	274 56	
				2.94	2.55	1.35			4.36		.96						
03S/02E-04H01 M 07/17/67 5050 1430	--	8.6	746	41	44	45	--	12	277	--	52	--	--	0.3	--	283 36	
				2.05	3.62	1.96		.40	4.54		1.47						
03S/02E-04H01 M 07/17/67 5050	--	8.2	744	40	44	46	--	0.0	295	--	52	--	--	0.4	--	281 39	
				2.00	3.62	2.00			4.84		1.47						
03S/02E-06P01 M 07/17/67 5050 1500	--	8.1	902	57	61	33	--	0.0	332	--	86	--	--	0.3	--	393 121	
				2.84	5.01	1.44			5.44		2.43						
03S/02E-07K01 M 07/18/67 5050 1630	--	8.1	675	33	36	56	--	0.0	306	--	38	--	--	0.2	--	231 0	
				1.65	2.96	2.44			5.02		1.07						

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	pH LAT FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
			CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SI02	TOS SUM	TH NCH	
			LIVERMORE VALLEY (2-10.00) (CONT.)														
03S/02F-00001 M 07/18/67 5050 1710	--	8.4	726	34	35	64	--	6.0	267	--	67	--	0.5	--	--	229	0
			1.70	2.88	2.96		.20	4.38		1.89							
03S/02F-10001 M 07/17/67 5150 1445	--	8.4	850	44	34	45	--	4.0	262	--	83	--	1.0	--	--	250	29
			2.20	2.79	3.70		.13	4.30		2.34							
03S/02F-20011 07/18/67 5050 1520	--	8.4	705	47	32	44	--	6.0	224	--	57	--	0.4	--	--	244	51
			2.25	2.63	2.14		.20	3.97		1.61							
03S/03E-10011 M 07/18/67 5050 1400	--	8.2	1590	34	46	277	--	0.0	533	--	231	--	6.2	--	--	274	0
			1.70	4.78	12.05			8.74		6.51							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH FLO	EC FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	SJM	TH
CENTRAL COASTAL REGION (NO.3)																	
PAJARO VALLEY (3-2.00)																	
115/02E-27A01 M 09/27/67 5050 0815	--	8.7	725	73	25	42	--	26	230	--	53	--	--	0.0	--	--	286 54
				3.64	2.06	1.83		.87	3.77		1.49						
125/01E-11L02 M 09/28/67 5050 1115	--	8.6	413	26	20	22	--	8.0	142	--	22	--	--	0.1	--	--	148 18
				1.30	1.64	.96		.27	2.33		.62						
125/01E-11M01 M 09/28/67 5050 1145	--	8.5	587	34	33	26	--	5.0	146	--	58	--	--	0.0	--	--	221 93
				1.70	2.71	1.13		.17	2.39		1.64						
125/01E-14J01 M 09/28/67 5050 1045	--	--	391	--	--	--	--	--	--	--	38	9.3	--	--	--	--	--
											1.07	.15					
125/01E-23M01 M 09/28/67 5050 0945	--	--	608	--	--	--	--	--	--	--	24	--	--	--	--	--	--
											.68						
125/01E-24S01 M 09/28/67 5050 0915	--	8.7	509	31	29	27	--	14	205	--	26	--	--	0.1	--	--	196 5
				1.55	2.34	1.17		.47	3.36		.73						
125/01E-24J01 M 09/28/67 5050 0815	--	--	546	--	--	--	--	--	--	--	46	--	--	--	--	--	--
											1.30						
125/02E-07K01 M 09/28/67 5050 1500	--	--	545	--	--	--	--	--	--	--	19	--	--	--	--	--	--
											.54						
125/02E-18A01 M 09/28/67 5050 1415	--	--	466	--	--	--	--	--	--	--	13	--	--	--	--	--	--
											.37						
125/02E-18M02 M 09/28/67 5050 1330	--	8.7	458	40	19	25	--	14	183	--	13	--	--	0.1	--	--	177 4
				2.00	1.56	1.09		.47	3.00		.37						
125/02E-19M01 M 09/27/67 5050 1530	--	--	1020	--	--	--	--	--	--	--	170	--	--	--	--	--	--
											4.79						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP LAH FLD	PH LAH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	TDS SUM	TH NCH
PAJARO VALLEY (3-2.00) (CONT.)																	
125/02F-31A01 M 09/27/67 5050 1335	--	--	519	--	--	--	--	--	--	--	49	--	--	--	--	--	--
											1.38						
125/02F-31K01 M 08/29/67 5050 0845	--	--	1420	--	--	--	--	--	--	--	415	--	--	--	--	--	--
											11.70						
125/02E-32K01 M 09/27/67 5050 1400	--	8.5	592	24	22	51	--	4.0	1.30	--	74	--	--	0.1	--	--	163
				1.45	1.81	2.22		.13	2.13		2.09						50
125/03F-09J01 M 09/27/67 5050 1030	--	--	1740	--	--	--	--	--	--	--	163	--	--	1.5	--	--	--
											4.60						
135/01F-01A01 M 07/28/67 5050 1340	--	--	3360	--	--	--	--	--	--	--	461	7.8	--	0.3	--	--	--
											24.28	.13					
135/02F-05K01 M 07/28/67 5050 1435	--	--	1300	--	--	--	--	--	--	204	114	55	--	0.3	--	--	--
										4.24	3.21	.89					
135/02E-06J01 M 09/27/67 5050 1515	--	8.7	1200	10	13	214	--	6.0	1.94	--	195	--	--	0.2	--	--	80
				.50	1.07	9.31		.20	3.18		5.50						0
GILROY - HOLLISTER (3-3.00)																	
095/03F-25N01 M 06/27/67 5050 1330	--	--	447	--	--	--	--	--	--	--	22	--	--	--	--	--	--
											.62						
105/03E-01E02 M 06/27/67 5050 1400	--	--	518	--	--	--	--	--	--	--	16	33	--	0.1	--	--	--
											.45	.53					
105/03F-23J01 M 06/29/67 5050 1143	--	7.8	446	33	23	18	--	0.0	1.79	--	21	24	--	0.1	--	--	178
				1.65	1.89	.74			2.94		.59	.47					31
105/03F-26J01 M 06/29/67 5050 1120	--	--	457	--	--	--	--	--	--	--	24	28	--	--	--	--	--
											.68	.45					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F	PH F	EC F	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02		
GILROY - HOLLISTER (3-3.00) (CONT.)																	
105/04E-17F01 M 06/27/67 5050 1420	--	--	760	--	--	--	--	--	--	--	48	--	--	--	--	--	--
											1.35						
105/04E-18G02 M 06/27/67 5050 1300	--	7.7	485	39	27	17	--	0.0	209	--	16	--	--	0.1	--	--	208
				1.95	2.22	.74			3.43		.45						37
105/04E-18J01 M 06/27/67 5050 1500	--	--	473	--	--	--	--	--	--	--	16	--	--	--	--	--	--
											.45						
105/04E-28U02 M 06/29/67 5050 1049	--	--	557	--	--	--	--	--	--	--	25	--	--	--	--	--	--
											.71						
105/04E-34L05 M 06/29/67 5050 1030	--	7.7	852	61	44	44	--	0.0	342	--	46	--	--	0.1	--	--	332
				3.04	3.62	2.09			5.61		1.30						52
115/04F-03L02 M 06/29/67 5050 0940	--	--	871	--	--	--	--	--	--	--	40	--	--	--	--	--	--
											1.13						
115/04F-04U03 M 06/29/67 5050 0920	--	--	869	--	--	--	--	--	--	--	25	88	--	0.1	--	--	--
											.71	1.42					
115/04F-21H02 M 06/29/67 5050 1000	--	8.5	761	80	36	26	--	9.0	291	--	26	48	--	0.2	--	--	350
				3.99	2.96	1.13		.30	4.77		.73	.77					97
115/05E-27M01 M 06/28/67 5050 1600	--	8.6	520	47	24	26	--	11	234	--	21	--	--	0.3	--	--	214
				2.35	1.97	1.13		.37	3.84		.59						4
125/04F-34P02 M 06/28/67 5050 0800	--	7.8	2190	264	83	211	--	0.0	480	--	294	22	--	0.5	--	--	1000
				13.17	6.82	9.18			7.87		8.29	.35					607
125/04F-35C01 M 06/28/67 5050 1000	--	--	2020	--	--	--	--	--	--	--	447	120	--	1.0	--	--	--
											9.30	3.38					
125/04E-36G01 M 06/28/67 5050 1015	--	8.1	2250	115	139	209	--	0.0	647	--	148	--	--	1.3	--	--	858
				5.74	11.43	9.09			10.61		4.17						328

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NAME DATE TIME	F P	PH	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS							
			FLU	CL	SO ₄	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NH ₃	F	H	SiO ₂	SUM	TH	NCH
			GILROY - HOLLISTER (3-3.00) (CONT.)																	
125/05F-09M02 M 06/29/67 5050 0930	--	8.2	1880			101	186		--	0.0	428	--	163	27	--	1.2	--	--	631	
125/05F-12M03 M 06/28/67 5050 1500	--	--	1290			--	--	--	--	--	7.02	--	4.60	43	--	--	--	--	280	
125/05F-13M01 M 06/29/67 5050 1100	--	8.0	1760			74	107	142	--	0.0	311	--	89	--	--	0.7	--	--	634	0
125/05F-36M01 M 06/28/67 5050 1420	--	--	1370			3.47	8.80	8.45	--	--	13.30	--	2.48	--	--	--	--	--	0	
125/06F-07M02 M 06/28/67 5050 1500	--	7.1	436			18	12	54	--	0.0	204	--	22	--	--	0.8	--	--	94	0
125/06E-19M02 M 06/28/67 5050 1500	--	--	1570			--	--	--	--	--	3.35	--	62	--	--	19.10	--	--	--	
125/06F-31M01 M 06/28/67 5050 1445	--	8.3	2500			47	49	406	--	0.0	528	--	473	--	--	3.5	--	--	324	0
135/05E-03J01 M 06/28/67 5050 1200	--	--	1440			2.45	4.03	17.66	--	--	8.66	--	13.34	--	--	0.9	--	--	--	
SALINAS VALLEY (3-4.00)																				
125/03E-19M01 M 08/28/67 5050 1015	--	--	409			--	--	--	--	--	--	--	64	--	--	--	--	--	--	
135/02E-01M01 M 08/18/67 5050 1310	--	8.0	261			12	8.1	26	--	0.0	71	--	28	--	--	0.0	--	--	64	6
135/02F-07M01 M 07/05/67 5050 0830	--	--	1000			--	--	--	--	--	1.16	--	79	--	--	--	--	--	--	

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL IDENTIFICATION DATE LAH TIME SAMPLE	PH LAH FLD	FC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			CA	MG	NA	K	CO3	HCO3	SU4	CL	N03	F	B	S102	TDS SUM	TH MCH
SALINAS VALLEY (3-4.00) (CONT.)																
135/02F-13401 M 08/18/67 5050 1030	--	--	242	--	--	--	--	--	--	36	--	--	--	--	--	--
135/02F-13401 M 07/05/67 5050 1000	--	--	1150	--	--	--	--	--	--	220	--	--	--	--	--	--
135/02F-20001 M 07/05/67 5050 1210	--	--	1140	--	--	--	--	--	--	213	0.0	--	--	--	--	--
135/02F-24004 M 07/05/67 5050 1200	--	842	812	47	14	97	--	0.0	232	119	--	--	0.2	--	--	175
135/02F-31002 M 07/06/67 5050 0820	--	--	1240	--	--	--	--	--	--	246	--	--	0.1	--	--	0
135/02F-31002 M 07/06/67 5050 0850	--	--	654	--	--	--	--	--	--	694	--	--	--	--	--	--
135/02F-31002 M 07/06/67 5050 0920	--	1060	--	--	--	--	--	--	--	196	--	--	--	--	--	--
135/02F-31002 M 07/06/67 5050 0945	--	1260	--	--	--	--	--	--	--	553	--	--	--	--	--	--
135/02F-32001 M 07/24/67 5050 1020	--	536	--	--	--	--	--	--	--	262	--	--	--	--	--	--
135/02F-32001 M 07/24/67 5050 0945	--	641	--	--	--	--	--	--	--	56	--	--	--	--	--	--
135/02F-33001 M 07/07/67 5050 1350	--	810	1020	94	32	65	--	0.0	259	122	--	--	0.1	--	--	366
135/03F-04001 M 08/18/67 5050 1115	--	715	240	11	9.3	32	--	0.0	86	36	--	--	0.0	--	--	66

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
			CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	S102	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																
13S/03E-20R02 M 08/17/67 5050 1210	--	7.9	282	14	6.4	31	--	0.0	79	--	38	--	0.1	--	--	62
			.70	.53	1.35			1.30		1.07						0
13S/03E-29A01 M 08/17/67 5050	--	--	488	--	--	--	--	--	--	93	--	--	--	--	--	--
										2.62						
14S/01E-24Q02 M 08/29/67 5050 0930	--	--	1520	--	--	--	--	--	--	227	--	--	--	--	--	--
										6.40						
14S/01E-25K01 M 08/29/67 5050 0940	--	7.0	677	28	16	65	--	0.0	46	--	125	--	0.1	--	--	136
				1.40	1.32	2.83		.75		3.53						99
14S/02E-06001 M 07/06/67 5050 1430	--	--	610	--	--	--	--	--	--	58	--	--	--	--	--	--
										1.64						
14S/02E-06H02 M 07/06/67 5050 1405	--	--	584	--	--	--	--	--	--	53	--	--	--	--	--	--
										1.49						
14S/02E-08H02 M 07/24/67 5050 1340	--	--	503	--	--	--	--	--	--	45	--	--	--	--	--	--
										1.27						
14S/02E-12001 M 07/14/67 5050 1035	--	--	555	--	--	--	--	--	--	45	--	--	--	--	--	--
										1.27						
14S/02E-14001 M 07/14/67 5050 1330	--	--	626	--	--	--	--	--	--	60	--	--	--	--	--	--
										1.69						
14S/02E-24E01 M 07/26/67 5050 1110	--	8.3	679	52	18	57	--	0.0	209	--	75	--	0.2	--	--	204
				2.54	1.48	2.44		3.43		2.12						33
14S/02E-25H01 M 07/26/67 5050 1045	--	--	1540	--	--	--	--	--	--	240	--	--	0.2	--	--	--
										6.77						
14S/02E-30P02 M 08/29/67 5050 1030	--	--	656	--	--	--	--	--	--	91	--	--	--	--	--	--
										2.57						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH	EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					TDS	TH	NCH
				LAH FLD	LAH FLD	CA	MG	NA	K	CO ₃	HCO ₃	SU ₄	CL	NO ₃	F	H	SI02	SUM			
SALINAS VALLEY (3-4.00) (CONT.)																					
145/02E-35J01 M 07/26/67 5050 1500	--	--	494	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
145/03E-30E01 M 07/17/67 5050 1510	--	--	2190	--	--	--	--	--	--	--	249	360 5.15 10.15	--	--	0.4	--	--	--	--		
145/03E-33G01 M 07/20/67 5050 1300	--	8.4	881	69 3.44	30 2.47	63 2.74	--	--	8.0 2.77	201 3.30	--	117 3.30	--	--	0.1	--	--	296 118	--		
155/01F-22C01 M 08/29/67 5050 1330	--	8.0	877	67 3.34	24 1.97	65 4.70	--	--	0.0 3.12	190 3.61	--	128 3.61	--	--	0.2	--	--	266 110	--		
155/01F-23G01 M 08/29/67 5050 1320	--	--	475	--	--	--	--	--	--	--	--	85 2.40	--	--	--	--	--	--	--		
155/02E-02J01 M 07/25/67 5050 1325	--	--	1420	--	--	--	--	--	--	--	242 5.03	76 2.14	--	--	--	--	--	--	--		
155/03F-04K03 M 07/26/67 5050 0905	--	--	688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
155/03E-05J04 M 07/20/67 5050 1230	--	--	2430	--	--	--	--	--	--	--	717 14.91	229 6.46	--	--	0.6	--	--	--	--		
155/03F-16J01 M 07/14/67 5050 1300	--	8.0	1150	115 5.74	42 3.45	59 2.57	--	--	0.0 5.51	336 7.76	--	68 1.92	--	--	0.2	--	--	460 185	--		
155/03F-17P01 M 07/14/67 5050 1105	--	8.1	1180	68 3.39	48 3.95	110 4.74	--	--	0.0 7.76	473 3.41	--	121 3.41	--	--	0.2	--	--	367 0	--		
165/02E-01L01 M 08/22/67 5050 1140	--	--	634	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
165/02E-03J01 M 08/22/67 5050 0930	--	8.1	893	82 4.09	18 1.48	76 3.31	--	--	0.0 3.97	242 3.67	--	130 3.67	--	--	0.1	--	--	279 81	--		

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAST TIME SAMPLED	TEMP F/D	PH	MINERAL CONCENTRATIONS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	Br	S102	TDS SJM	TH NCH
SALINAS VALLEY (3-4,000) (CONT.)																
16S/04F-25001 M 07/13/67 5050 1005	--	--	1010	--	--	--	--	--	240	55	--	--	0.3	--	--	--
									4.97	1.55						
17S/05F-09001 M 07/10/67 5050 1100	--	8.2	614	66	22	24	--	0.0	209	--	25	--	0.1	--	--	255
				3.29	1.81	1.26			3.43		.71					84
17S/06F-15001 M 07/06/67 5050 0950	--	--	1040	--	--	--	--	--	253	76	--	--	0.7	--	--	--
									5.26	2.14						
18S/06F-01001 M 07/07/67 5050 1325	--	--	754	--	--	--	--	--	--	33	--	--	0.3	--	--	--
										.93						
18S/06F-02001 M 07/07/67 5050 1440	--	--	1010	--	--	--	--	--	247	59	41	--	--	--	--	--
									5.14	1.66	.66					
19S/07F-10001 M 07/07/67 5050 1015	--	8.0	935	70	39	77	--	0.0	193	--	122	--	0.3	--	--	335
				3.49	3.21	2.60			3.17		3.44					177
19S/07F-13002 M 07/11/67 5050 0925	--	8.2	944	66	32	41	--	0.0	241	--	55	--	0.3	--	--	322
				1.39	2.63	3.76			1.75		1.55					125
19S/08F-32001 M 07/11/67 5050 1015	--	--	1120	--	--	--	--	--	1260	345	--	--	2.0	--	--	--
									26.21	4.76						
19S/08F-33001 M 07/11/67 5050 1045	--	--	1150	--	--	--	--	--	980	115	35	--	1.0	--	--	--
									20.51	3.88	.56					
20S/08F-05001 M 07/11/67 5050 1250	--	8.2	1540	114	41	156	--	0.0	294	--	128	--	0.9	--	--	478
				5.69	3.37	6.74			4.82		3.61					237
20S/08F-24002 M 07/18/67 5050 1220	--	8.4	3750	214	87	645	--	4.0	204	--	748	--	2.5	--	--	902
				10.48	7.15	13.60			1.3		20.81					729
21S/09F-07001 M 07/18/67 5050 1105	--	--	2170	--	--	--	--	--	--	207	43	--	0.2	--	--	--
										5.84	.69					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	
			CA	Mg	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102			
SALINAS VALLEY (3-4.00) (CONT.)																	
215/09F-24L01 M 07/27/67 5050 1025	--	8.3	2100	185	75	172	--	0.0	232	--	124	--	--	0.6	--	--	773 583
225/10E-17N01 M 07/18/67 5050 0925	--	8.3	512	46	18	31	--	0.0	192	--	23	--	--	0.2	--	--	189 32
225/10E-34G01 M 07/18/67 5050 1057	--	8.2	902	64	30	74	--	0.0	264	--	77	--	--	0.5	--	--	296 80
235/08E-08K01 M 08/03/67 5050 0900	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
255/12E-08G01 M 06/06/67	7.0	8.2	809	50	42	64	2.0	--	318	85	56	12	0.4	.34	--	484	298 37
255/12E-16D04 M 10/20/66	--	8.2	763	34	32	77	2.0	0.0	288	77	51	14	--	.50	--	477	229 0
255/12E-16K02 M 06/06/67	6.1	8.1	2517	174	136	234	4.0	--	524	614	292	10	0.7	.96	--	1899	1006 573
255/12F-16L01 M 06/06/67	7.4	7.4	2543	207	113	294	3.0	--	447	853	233	2.5	0.7	.95	--	2083	982 616
255/12F-16N01 M 10/19/66	--	8.2	842	43	34	70	2.0	0.0	236	74	64	15	--	.40	--	463	264 30
255/12F-21L01 M 06/06/67	7.9	7.9	2524	162	114	267	7.0	--	405	610	337	24	0.6	1.19	--	1891	874 542
255/12F-26D01 M 06/08/67	7.7	7.7	764	47	38	39	2.0	--	271	36	53	25	0.4	.19	--	385	274 52
255/12F-26K01 M 06/08/67	7.1	7.1	828	52	37	75	2.0	--	286	94	76	6.5	0.5	.37	--	516	282 48

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PC LAH FLD	PC LAH FLD	CA	MG	NA	CL	CO ₃	PERCENT REACTANCE VALUE	CL	NO ₃	F	M	5102	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)															
255/12F-27601 M 06/04/67	12 F	8.0	179	46	70	74	2.0	--	127	102	71	15	0.6	.40	--
									1.36	2.12	2.00	.24		562	321
									55	22	21	2		520	53
255/12F-28001 M 10/05/66	61 F	8.4	1870	45	79	140	4.0	4.0	225	466	201	7.4	--	.70	--
									1.13	3.69	4.69	5.67	.13	1230	537
									1	19	50	29	1	1148	346
255/12F-32401 M 06/06/67	61 F	7.4	946	54	45	104	2.0	--	103	179	72	8.0	0.5	.50	--
									4.47	3.72	2.03	.13		646	320
									46	34	19	1		617	72
255/12F-33002 M 06/06/67	65 F	8.1	1446	153	73	184	2.0	--	177	333	195	16	0.5	.02	--
									4.46	6.13	5.22	.26		1292	682
									43	32	24	1		1234	209
255/12F-35E01 M 06/04/67	64 F	7.4	2047	45	69	270	4.0	--	374	442	268	6.5	0.6	.90	--
									6.13	9.19	7.56	.10		1447	528
									27	40	33			1362	222
255/13F-19001 M 10/06/66	65 F	8.6	544	--	--	--	--	11	209	--	38	25	--	--	--
									47	3.43	1.07	.40		--	--
255/14F-43001 M 10/06/66	72 F	8.6	635	24	22	74	3.0	11	243	45	24	3.6	--	.40	--
									37	4.54	.74	.68		379	163
									6	69	14	10	1	356	0
255/15F-21001 M 06/13/67	63 F	6.1	544	35	19	57	2.0	--	204	24	49	23	0.8	.28	--
									3.35	4.94	1.38	.17		327	166
									60	9	25	7		302	0
255/16F-31001 M 06/13/67	60 F	7.4	1443	150	40	154	3.0	--	310	424	99	6.0	1.0	.99	--
									5.08	6.90	2.79	.10		1099	539
									30	53	17	1		1036	285
265/09F-15001 M 06/04/67	71 F	8.0	319	17	50	60	0.0	--	179	12	40	7.0	0.1	.02	--
									2.44	.25	.25	.11		176	163
									43	7	7	3		184	16
265/10F-20001 M 06/09/67	65 F	7.4	1440	104	61	145	4.0	--	427	500	27	7.0	0.7	.08	--
									7.00	10.40	.76	.11		1164	523
									39	57	6	1		1108	173
265/12F-03001 M 06/04/67	73 F	7.4	547	41	24	47	2.0	--	202	27	58	9.5	0.4	.11	--
									3.31	.56	1.64	.15		342	201
									58	10	29	3		298	36

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	P.H. TEMP FLD	FC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS			
			Ca	Mg	NA	K	CO3	HCO3	SO4	CL	F	B	SI02	SUM
SALINAS VALLEY (3-4-00) (CONT.)														
265/12F-05A02 P 06/06/67	84.2	750	4.4	2.4	4.2	2.0	--	2.2	1.3	5.3	11	0.3	.11	--
			4.3	2.30	1.43	.05	3.75	2.45	1.49	.14				522
			51	27	21	1	45	34	18	2				474
265/12F-04F04 M 05/08/67	74.6	646	6.5	2.7	4.3	2.0	--	2.56	9.7	3.7	2.0	0.4	.04	--
			3.24	2.22	1.47	.05	4.20	2.02	1.04	.03				435
			44	30	25	1	58	28	14					399
265/12F-04F01 M 06/08/67	74.6	1347	10.3	4.7	14.7	2.0	--	4.75	15.3	14.1	24	0.3	.35	--
			5.14	3.46	6.34	.05	7.79	3.18	3.98	.39				886
			33	25	41		51	21	26	3				850
265/12F-14J04 M 10/27/66	84.5	690	3.5	2.3	8.2	2.0	9.0	2.67	5.2	5.3	2.5	--	.40	--
			1.75	1.49	3.57	.05	.30	4.39	1.08	1.49	.04			396
			24	26	44	1	4	60	15	20	1			390
265/12F-16C04 M 06/08/67	84.1	1036	17.4	6.1	9.4	2.0	--	3.24	14.4	21.7	145	0.4	.25	--
			4.44	5.01	4.04	.05	5.31	3.00	6.12	2.98				1265
			49	28	23		30	17	35	17				1036
265/12F-20A01 M 06/06/67	74.3	3747	10.8	2.0	6.4	9.0	--	1.05	5.31	11.7	1.0	5.0	4.55	--
			5.34	1.6	24.54	.23	1.72	11.04	23.04	.02				2353
			15		84	1	5	31	64					2209
265/12F-21B02 M 06/08/67	84.1	1075	6.4	2.9	16.0	4.0	--	3.94	14.4	9.9	2.0	0.9	.16	--
			3.13	2.38	6.46	.10	6.05	3.10	2.79	.03				708
			29	19	55	1	51	26	23					689
265/12F-21L04 M 10/20/66	84.4	1050	3.4	1.7	17.1	3.0	4.0	.05	6.4	4.6	2.4	--	.90	--
			1.49	1.40	1.41	.08	.13	7.04	1.41	2.43	.04			641
			18	13	64	1	1	62	13	23				589
265/12F-22B02 M 10/04/66	84.3	744	3.3	2.2	9.6	2.0	0.0	2.90	4.6	5.6	8.4	--	.40	--
			1.65	1.61	4.14	.05	4.76	.96	1.58	.14				450
			21	24	54	1	64	13	21	2				406
265/13F-11F01 M 10/06/66	84.5	1040	7.0	1.7	15.4	3.0	1.3	2.7	16.0	7.8	3.5	--	1.00	--
			2.50	1.40	6.71	.04	.43	4.46	3.33	2.20	.06			651
			23	13	64	1	4	43	32	21	1			613
265/13F-24L02 M 10/04/66	84.4	542	4.1	1.5	5.4	2.0	1.8	2.16	2.0	4.6	1.7	--	.20	--
			2.05	1.23	2.57	.05	.60	3.54	.42	1.35	.03			320
			35	21	44	1	10	60	7	23	1			311
265/14F-11M01 M 06/13/67	84.1	436	1.3	7.0	6.4	2.0	--	1.62	3.4	3.2	0.0	0.6	.26	--
			.65	.58	3.00	.05	2.66	.81	.90					258
			15	14	70	1	61	19	21					242

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STAFF WELL NUMBER DATE LAB TIME SAMPLE	PH LAT FLD	EC FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
			CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TDS SUM	TH NCH	
			SALINAS VALLEY (3-4.00) (CONT.)														
26S/14F-10M01 06/13/67	7.4 F	8.4	665	23	5.0	11.7	2.0	17	2.4	41	46	5.5	0.6	.42	--	412	82
			1.15	.49	5.05	.05	.57	4.08	.45	1.30	.09					380	0
			17	7	7.5	1		54	12	19	1						
26S/14F-10M01 10/06/66	7.5 F	8.6	741	25	15	11.0	3.0	11	2.4	109	33	1.2	--	.50	--	443	124
			1.25	1.23	4.73	.09	.37	3.74	2.27	.93	.02					419	0
			17	17	6.5	1	5	51	31	13							
26S/14F-10M01 10/06/66	7.7 F	8.7	700	30	9.0	10.9	3.0	15	2.4	61	33	4.1	--	.50	--	416	112
			1.50	.74	4.52	.08	.50	4.17	1.27	.43	.07					384	0
			22	11	6.6	1	7	60	15	13	1						
26S/14F-21M01 06/09/67	7.8 F	8.1	1093	34	30	31.7	6.0	--	349	449	101	17	0.7	.56	--	1196	271
			2.44	2.47	13.74	.20	.57	2.72	10.17	2.85	.27					1193	0
			15	13	7.1	1	30	53	15	1							
26S/14F-21M01 06/13/67	7.9 F	8.4	642	24	6.0	12.4	2.0	--	300	57	31	3.5	0.7	.60	--	422	85
			1.20	.49	5.37	.05	.42	1.17	.87	.06						396	0
			17	7	7.6	1	70	17	12	1							
26S/14F-24M01 06/13/67	7.9 F	8.2	414	20	2.0	6.7	2.0	--	166	37	21	4.0	0.6	.23	--	279	58
			1.00	.16	3.00	.05	.27	2.72	.77	.59	.14					242	0
			24	4	7.1	1	64	14	14	14	3						
26S/14F-35M01 10/10/66	7.5 F	4.78	--	--	--	--	--	0.0	154	--	42	16	--	--	--	--	--
								2.53		1.18	.26						
26S/15F-02M01 10/10/66	7.3 F	8.3	2140	--	--	--	--	0.0	274	--	169	2.1	--	--	--	--	--
								4.49		4.77	.03						
26S/15F-03M01 06/13/67	7.2 F	8.1	1844	41	5.0	31.3	3.0	--	214	392	158	1.0	0.6	1.40	--	1033	123
			2.05	.41	13.62	.08	.45	3.51	4.15	4.46	.02					1020	0
			14	3	9.4			22	50	28							
26S/15F-20M02 06/13/67	7.1 F	8.1	440	33	7.0	27	2.0	--	156	30	29	26	0.2	.04	--	257	161
			2.84	.58	1.17	.05	.25	2.56	.62	.82	.42					251	33
			54	13	2.5	1	58	14	19	10							
26S/15F-20M01 10/10/66	7.4 F	8.2	372	34	4.0	3.6	3.0	0.0	132	32	16	13	--	.00	--	220	102
			1.70	.33	1.44	.04	.21	2.16	.67	.45	.21					201	0
			47	9	4.1	2	62	19	13	6							
26S/15F-20M01 10/10/66	7.1 F	8.1	1440	145	23	11.7	3.0	0.0	164	320	162	4.2	--	.40	--	968	457
			7.24	1.49	5.05	.04	.25	2.69	0.69	4.57	.15					859	323
			51	13	4.5	1	19	47	32	1							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH FLO	EC LAR FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM			
SALINAS VALLEY (3-4.00) (CONT.)																			
26S/15F-28K02 M 10/10/66	68.6 F	7.7	4d20	--	--	--	--	0.0	50.3	--	60.1	0.4	--	--	--	--			
								4.97		10.95	.01								
26S/15E-29K01 M 10/10/66	67.4 F	8.2	349	45	5.0	24	2.0	0.0	155	2.1	22	22	--	.10	--	242 133			
				2.25	4.1	1.04	.05	2.21	4.4	.62	.35					207 23			
				6.0	1.1	2.4	1	6.1	1.2	17	10								
26S/15E-32K01 M 06/13/67	72.7 F	8.2	362	45	3.0	27	2.0	--	140	3.1	21	9.0	0.2	.01	--	234 125			
				2.25	2.5	1.17	.05	2.30	.04	.59	.14					207 10			
				6.0	7	3.1	1	6.3	1.7	16	4								
26S/15E-33K01 M 06/13/67	67.4 F	7.4	972	93	14	10.1	2.0	--	140	22.1	106	7.5	0.4	.29	--	676 290			
				4.44	1.15	4.34	.05	2.30	4.60	2.99	.12					614 175			
				45	11	4.4		2.3	46	30	1								
26S/16E-31K01 M 10/10/66	70.7 F	7.4	1640	--	--	--	--	0.0	330	--	97	40	--	--	--	--			
								5.41		2.74	.64								
27S/08E-26K01 M 05/23/67	57.4 F	8.2	1141	102	7.9	4.7	1.0	--	522	120	87	5.5	0.4	.18	--	762 580			
				5.09	6.49	2.14	.03	4.56	2.50	2.45	.09					700 152			
				3.7	4.7	1.4		6.3	1.8	18	1								
27S/10E-15K01 M 06/09/67	55.7 F	7.4	632	77	26	3.0	1.0	--	265	112	19	0.0	0.3	.09	--	434 299			
				3.44	2.14	1.41	.03	4.35	2.33	.54						395 82			
				5.2	2.9	1.1		6.0	.32	7									
27S/10E-15K02 M 06/09/67	60.7 F	8.1	729	30	16	11.7	1.0	--	420	96	23	5.0	0.3	.13	--	435 141			
				1.50	1.32	5.04	.03	5.25	2.00	.65	.08					445 0			
				1.7	1.7	6.4		6.6	.25	8	1								
27S/11E-07K01 M 06/09/67	62.7 F	7.7	1153	162	30	56	2.0	--	427	223	31	2.0	0.2	.09	--	818 528			
				4.04	2.47	2.44	.05	7.00	4.64	.87	.03					716 178			
				6.2	1.9	1.3		5.6	.37	7									
27S/11E-09K01 M 06/09/67	63.7 F	7.4	1370	93	53	15.9	3.0	--	603	181	75	0.0	0.5	.19	--	895 450			
				4.44	4.36	5.47	.08	9.89	3.76	2.12						860 0			
				2.4	2.7	4.3	1	6.3	.24	13									
27S/12E-03K02 M 10/04/66	66.7 F	8.1	763	61	35	4.0	2.0	0.0	300	12	80	8.7	--	.10	--	460 296			
				3.44	2.46	1.74	.05	4.92	.25	2.26	.14					386 50			
				3.7	3.7	2.3	1	6.5	.3	30	2								
27S/12E-04K02 M 06/08/67	74.7 F	7.4	940	46	48	4.4	2.0	--	338	4.9	116	23	0.3	.14	--	645 412			
				4.29	3.45	2.04	.05	5.34	1.02	3.27	.37					538 135			
				4.1	3.4	2.0		5.4	.10	32	4								

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F/D	PH F/D	EC F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER						
				LAH F/D	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	SI02	TH NCH		
				SALINAS VALLEY (3-4.00) (CONT.)														
27S/12E-09002 M 06/08/67	65 F	8.1	422	9.3	48	4.4	2.0	2.0	--	3.42	115	77	18	0.4	.14	--	641	430
				4.64	3.95	2.04	.05	.05		5.61	2.39	2.17	.29				569	150
				4.3	37	19				54	23	21	3					
27S/12E-11E01 M 06/08/67	65 F	7.8	705	68	34	31	1.0	1.0	--	2.74	9.0	89	10	0.4	.09	--	468	310
				3.39	2.79	1.35	.03	.03		4.49	.19	2.51	.16				377	86
				45	37	14				61	3	34	2					
27S/12E-14A01 M 06/07/67	95 F	8.2	1183	5.0	1.0	26.0	3.0	3.0	--	371	122	101	2.0	1.2	1.09	--	707	17
				.25	.08	11.31	.08	.08		6.08	2.54	2.85	.03				678	0
				2	1	97	1			53	22	25						
27S/12E-15G01 M 06/08/67	40 F	8.2	1338	4.0	2.0	30.4	3.0	3.0	11	399	142	131	0.0	2.2	.33	--	860	18
				.20	.16	13.40	.08	.08	.37	6.54	2.95	3.69					799	0
				1	1	97	1		3	48	22	27						
27S/12E-21N04 M 10/03/66	60 F	8.4	1020	113	47	41	2.0	2.0	6.0	310	217	48	2.5	--	.10	--	611	476
				5.64	3.46	1.74	.05	.05	.20	5.08	4.51	1.35	.04				629	212
				50	34	16			2	45	40	12						
27S/12E-22M01 M 10/03/66	58 F	8.2	1170	7.9	40	117	3.0	3.0	0.0	340	203	40	9.7	--	.30	--	645	352
				3.74	3.29	5.09	.08	.08		5.58	4.22	2.26	.16				695	73
				31	27	42	1			46	35	18	1					
27S/12E-24P02 M 10/03/66	62 F	8.2	1150	14.0	44	46	2.0	2.0	0.0	169	225	64	3.5	--	.10	--	773	531
				6.99	3.62	2.00	.05	.05		6.05	4.74	1.80	.06				708	229
				55	29	16				48	37	14						
27S/12E-32C03 M 06/06/67	47 F	8.2	854	11.9	37	33	1.0	1.0	--	313	171	45	2.0	0.4	.05	--	587	439
				5.74	4.09	1.44	.03	.03		5.13	3.56	1.27	.03				558	183
				56	30	14				51	36	13						
27S/12E-33N01 M 06/06/67	62 F	8.0	944	101	53	54	3.0	3.0	--	353	145	66	0.0	0.3	.06	--	639	470
				5.04	4.36	1.44	.04	.04		5.79	3.02	1.46					575	181
				46	40	14	1			54	28	17						
27S/13E-09P01 M 10/07/66	69 F	8.6	665	14	9.0	12.5	2.0	2.0	13	330	22	20	4.3	--	.40	--	406	72
				.70	.74	5.44	.05	.05	.43	5.41	.46	.56	.07				371	0
				10	11	74	1		6	78	7	8	1					
27S/13E-13Q01 M 06/07/67	72 F	10.0	383	4.0	1.0	71	3.0	3.0	22	67	29	35	0.0	0.2	.06	--	228	14
				.20	.08	3.34	.08	.08	.73	1.10	.60	.99					198	0
				6	2	40	2		.21	32	14	29						
27S/13E-17U01 M 06/07/67	71 F	7.7	658	50	27	53	2.0	2.0	--	296	14	62	8.5	0.2	.05	--	378	236
				2.50	2.22	2.31	.05	.05		4.85	.37	1.75	.14				366	0
				35	31	33	1			68	5	25	2					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	PH TEMP FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTIVE VALU				MILLIGRAMS PER LITER						
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
			SALINAS VALLEY (3-4.00) (CONT.)														
27S/13E-20X01 M 06/07/67	72 F	7.1	539	49	28	31	2.0	--	285	13	30	12	0.2	.00	--	341	238
			2.45	2.30	1.35	.05		4.67	.27	.85	.19					305	5
			40	37	22	1		78	5	14	3						
27S/13E-26X01 M 06/07/67	70 F	8.1	531	53	21	24	2.0	--	228	39	31	11.5	0.2	.04	--	312	219
			2.64	1.73	1.26	.05		3.74	.81	.87	.19					298	32
			46	30	22	1		67	14	16	3						
27S/13E-36X01 M 10/07/66	68 F	8.7	550	71	10	24	3.0	12	207	22	37	13	--	.00	--	359	218
			3.54	.82	1.26	.04		.40	3.39	.46	1.04	.21				298	29
			62	14	22	1		7	62	8	19	4					
27S/15E-10X02 M 06/13/67	71 F	7.4	1223	132	19	107	3.0	--	109	261	179	15.5	0.3	.37	--	857	408
			6.59	1.56	4.65	.08		1.79	5.43	5.05	.25					771	319
			51	12	36	1		14	43	40	2						
27S/15F-13A01 M 10/11/66	61 F	8.2	4700	--	--	--	--	0.0	231	--	844	29	--	--	--	--	--
								3.79		23.80	.47						
27S/15F-35F01 M 06/13/67	68 F	7.5	333	37	5.0	22	2.0	--	127	30	18	6.0	0.2	.01	--	214	113
			1.85	.41	.96	.05		2.08	.62	.51	.10					182	9
			57	13	29	2		63	19	15	3						
27S/16F-23X01 M 10/11/66	65 F	8.0	750	--	--	--	--	0.0	275	--	48	7.6	--	--	--	--	--
								4.51		1.35	.12						
28S/09F-26E01 M 05/23/67	63 F	8.0	1950	90	85	200	1.0	--	453	76	308	138	0.6	.10	--	1200	574
			4.49	6.99	4.70	.03		7.63	1.58	4.69	2.22					1121	203
			22	35	43			37	8	44	11						
28S/10F-33E05 M 05/23/67	61 F	8.1	1572	76	101	140	9.0	--	723	62	192	2.0	0.6	.22	--	955	605
			3.79	8.30	6.09	.23		11.86	1.29	4.13	.03					927	12
			21	45	33	1		65	7	28							
28S/12F-10X02 M 10/04/66	--	8.3	893	94	34	45	2.0	0.0	277	132	60	2.0	--	.00	--	523	375
			4.69	2.79	1.74	.05		4.54	2.75	1.69	.03					505	148
			49	29	21	1		50	31	19							
28S/12E-14X01 M 06/07/67	58 F	8.0	796	94	37	29	1.0	--	346	78	46	15.5	0.3	.04	--	506	387
			4.69	3.04	1.26	.03		5.67	1.62	1.30	.25					470	104
			52	34	14			64	15	3							
28S/12E-14X01 M 06/07/67	58 F	8.5	720	69	37	40	1.0	15	235	111	49	7.0	0.4	.03	--	482	324
			3.44	3.04	1.74	.03	.50	3.85	2.31	1.38	.11					445	107
			42	37	21		6	47	28	17							

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER							
			LAH FLO	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	M	5102	TDS	TH	NCH
SALINAS VALLEY (3,400) (CONT.)																		
285/12F-25601 M 07/26/67	--	7.5	642	76	31	20	1.0	--	249	109	26	8.0	0.4	.03	--	413	317	
				3.79	2.55	.67	.03		4.08	2.27	.73	.13				343	113	
				52	35	12			57	31	10	2						
285/12F-25602 M 07/26/67	--	7.5	497	45	26	22	1.0	--	204	63	23	4.0	0.3	.04	--	306	220	
				2.25	2.14	.96	.03		3.35	1.31	.65	.06				284	53	
				42	40	14	1		62	24	12	1						
285/12E-25199 M 10/20/66	--	7.9	867	74	41	42	1.0	0.0	309	117	53	1.0	--	.00	--	388	366	
				3.94	3.37	1.83	.03		5.07	2.43	1.49	.02				485	113	
				43	37	20			56	27	17							
285/12F-25F99 M 10/21/66	--	8.2	646	69	30	21	1.0	0.0	247	94	23	5.6	--	.10	--	549	296	
				3.44	2.47	.91	.03		4.05	1.26	.65	.09				365	94	
				50	36	13			60	29	10	1						
285/13F-04K02 M 06/07/67	6.9	7.9	673	60	37	30	1.0	--	290	7.0	75	9.0	0.6	.05	--	425	302	
				2.99	3.04	1.31	.03		4.76	.15	2.12	.14				362	64	
				41	41	18			66	2	30	2						
285/13F-04K03 M 06/07/67	7.0	8.0	651	51	30	49	2.0	--	320	10	56	7.5	0.4	.08	--	381	251	
				2.54	2.47	2.13	.05		5.24	.21	1.58	.12				363	225	
				36	35	30	1		73	3	22	2						
285/13F-11K02 M 10/03/66	8.0	8.5	731	61	40	35	2.0	10	267	106	28	3.4	--	.00	--	377	317	
				3.04	3.29	1.52	.05	.33	4.38	2.25	.79	.05				418	82	
				38	42	14	1	4	56	29	10	1						
285/16F-14J01 M 10/11/66	8.6	8.2	608	65	21	31	2.0	0.0	205	94	22	9.9	--	.00	--	358	249	
				3.24	1.73	1.35	.05		3.36	2.04	.62	.16				349	81	
				51	27	21	1		54	33	10	3						
285/10F-25010 M 05/24/67	6.5	7.9	4223	447	180	227	2.0	--	532	223	1155	17.5	0.5	.11	--	3132	1857	
				22.31	14.80	9.87	.05		8.72	4.64	32.57	.28				2513	1422	
				47	31	21			19	10	70	1						
285/13F-15K03 M 06/07/67	8.2	7.8	1031	120	61	34	1.0	--	391	152	89	20	0.6	.02	--	767	551	
				5.99	7.01	1.70	.03		6.41	3.16	2.51	.32				674	231	
				47	34	11			52	25	20	3						
285/13F-04K01 M 10/04/66	8.2	7.9	594	59	10	47	1.0	0.0	210	55	39	6.3	--	.00	--	338	188	
				2.94	.82	2.04	.03		3.44	1.14	1.10	.10				320	16	
				50	14	35	1		60	20	19	2						
285/13F-14K01 M 10/04/66	--	8.2	598	44	32	33	1.0	0.0	237	66	28	7.8	--	.10	--	340	242	
				2.20	2.63	1.44	.03		3.89	1.37	.79	.13				328	48	
				35	42	23			63	22	13	2						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			CA	MG	NA	K	CO3	HCO3	SU4	CL	NO3	F	SIO2	TDS SUM		
CARMEL VALLEY (3-7.00)																
16S/01W-13L02 M 07/26/67 5050 1220	--	--	--	--	--	--	--	--	--	99 2.79	--	--	--	--	--	--
16S/01E-16L01 M 07/26/67 5050 1135	--	--	--	--	--	--	--	--	--	50 1.41	--	--	--	--	--	--
16S/01E-17G01 M 07/26/67 5050	--	--	--	--	--	--	--	--	--	129 3.64	--	--	--	--	--	--
16S/01E-25B01 M 08/29/67 5050 1430	--	8.0	472 2.54	4.9 .40	34 1.44	--	0.0	131 2.15	--	27 .76	--	--	0.1	--	--	147 4.0

TABLE E-2
TRACE ELEMENT ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

State Well Number	Date	Constituents in Milligrams Per Liter																	Analyzed by
		(Al)	(Be)	(Bi)	(Cd)	(Co)	(Cr)	(Cu)	(Fe)	(Ga)	(Ge)	(Mn)	(Mo)	(Ni)	(Pb)	(Ti)	(V)	(Zn)	
4S/1W-21F2-M	12-13-66	0.00					0.00	0.00	0.06			0.02			0.00			0.00	
4S/1W-21F2-M	3-7-67	0.00					0.02	0.00	0.00			0.00			0.00			0.01	
4S/1W-21F2-M	6-7-67						0.00												
4S/1W-21F6-M	12-13-66	0.00					0.00	0.00	0.06			0.01			0.00			0.00	
4S/1W-21F6-M	3-7-67	0.00					0.02	0.00	0.03			0.00			0.00			0.01	
4S/1W-21F6-M	6-7-67						0.00												

TABLE E-3
MISCELLANEOUS CONSTITUENTS IN GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER	DATE	CONSTITUENTS IN MILLIGRAMS PER LITER			
		MBAS	As	Phenols	Se
SANTA CLARA VALLEY - EAST BAY (2-9.01)					
4S/1W-21F2-M	12-13-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21F2-M	6-7-67	0.0		0.000	0.00
4S/1W-21P6-M	12-13-66		0.00	0.000	0.00
4S/1W-21P6-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21P6-M	6-7-67	0.0		0.000	0.00

Appendix F
WASTE WATER

INTRODUCTION

This appendix contains data on the quality and quantity of waste water discharged at various locations in the Central Coastal Area and on the use of such waters. Waste waters constitute a portion of our total water resources and like streams and lakes, if carefully managed, can be put to good use.

Prior publications of the Department which contain similar data for this as well as other areas of California are:

1. "Reclamation of Water from Sewage or Industrial Waste." December 1952. (Data for 1950-51 and 1951-52.)
2. "Reclamation of Water from Sewage or Industrial Waste." June 1954. (Data for 1952-53.)
3. Bulletin No. 68, "Reclamation of Water from Sewage and Industrial Wastes, July 1, 1953-June 30, 1955." January 1958.
4. Bulletin No. 68-62, "Reclamation of Water from Sewage and Industrial Wastes in California, July 1, 1955-June 30, 1962." October 1963.
5. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." December 1965.
6. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." April 1966.
7. Office report, "Quality and Use of Waste Water 1962-1965." July 1966. (Data for Central Coastal California including San Francisco Bay area.)
8. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1964-June 30, 1965." January 1967.

Additional reports have been prepared on reclamation of water from wastes in specific areas. These are:

1. Bulletin No. 67, "Reclamation of Water from Sewage and Industrial Wastes, Watsonville Area, Santa Cruz and Monterey Counties." 1955.
2. Office report, "Feasibility of Reclamation of Water from Sewage in International Outfall Sewer, Tia Juana Valley, California." December 1955.
3. Bulletin No. 80, "Feasibility of Reclamation of Water from Wastes in the Los Angeles Metropolitan Area." December 1961.
4. Bulletin No. 80-2, "Reclamation of Water From Wastes in Coastal San Diego County." February 1968.
5. Bulletin No. 80-3, "Reclamation of Water from Wastes: Coachella Valley." December 1966.

Data presented in this appendix are for the period July 1, 1965, to September 30, 1967. The data in prior publications were presented on a fiscal year basis: the 12-month period beginning July 1 and ending June 30. In this appendix, where 12-month totals are listed for comparative purposes the values for the 1965-66 and 1966-67 fiscal years are shown as well as the values for the 1966-67 water year (October 1 to September 30, 1967).

In all tabulations, data are presented according to Water Quality Control Board region. These regions are geographic areas defined in Section 13040 of the Water Code. For the Central Coastal Area these are: North Coastal Water Quality Control Board Region (No. 1) (southern portion), San Francisco Bay Water Quality Control Board Region (No. 2), and Central Coastal Water Quality Control Board Region (No. 3) (northern portion).

The locations of waste dischargers are shown in Figure F-1.

This report contains data from waste dischargers that were not included in the report "Quality and Use of Waste Water, 1962-1965". In the North Coastal Water Quality Control Board Region (No. 1) these dischargers are:

1. City of Cloverdale. This treatment plant is located in Section 7 of Township 11 North, Range 10 West, Sonoma County. Treatment consists of grinding, primary settling, bio-filtration, secondary settling, chlorination, ponding; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

2. City of Sebastopol. This treatment plant is located in Section 35 of Township 7 North, Range 9 West, Sonoma County. Treatment consists of primary settling, bio-filtration, secondary settling, ponding; sludge digestion and drying. The average domestic flow during 1966-67 water year was 0.3 mgd. During the 3-month apple canning season, there also is an industrial flow of 0.4 mgd for a combined total flow of 0.7 mgd. Average flow for the entire year of the combined domestic and industrial waste discharge was 0.4 mgd.

In San Francisco Bay Water Quality Control Board Region (No. 2) the additional dischargers are:

1. Contra Costa Sanitary District No. 7A. This treatment plant is located in Section 4 of Township 2 North, Range 1 West, Contra Costa County. Treatment consists of screening, grinding, and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.8 mgd.

2. Crockett-Valona Sanitary District. This treatment plant is located in Section 31 of Township 3 North, Range 3 West, Contra Costa County. Treatment consists of grinding, grit removal and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.3 mgd.

3. City of Los Altos. This treatment plant is located in Section 5 of Township 6 South, Range 2 West, Santa Clara County. Treatment consists of screening, grit removal, and primary sedimentation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.6 mgd.

4. Marin County Sanitary District No. 6 (Ignacio). This treatment plant is located in Section 29 of Township 3 North, Range 6 West, Marin County. Treatment consists of grinding, primary sedimentation, bio-filtration, secondary sedimentation,

and chlorination; sludge digestion and centrifuging. The average flow during the 1966-67 water year was 0.7 mgd.

5. City of Pinole. This treatment plant is located in Section 20 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.7 mgd.

6. Rodeo Sanitary District. This treatment plant is located in Section 11 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

7. Valley Community Services District. This treatment plant is located in Section 6 of Township 3 South, Range 1 East, Alameda County. Treatment consists of prechlorination, grinding, pre-aeration, grit removal, primary sedimentation, aeration, secondary sedimentation, chlorination and foam fractionation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.3 mgd.

In the Central Coastal Water Quality Control Board Region (No. 3) the additional dischargers are:

1. Bear Creek Estates. This treatment plant is located in Section 12 of Township 9 South, Range 2 West, Santa Cruz County. Treatment is by a small activated sludge plant. Effluent is disposed of by spray irrigation. The average daily flow is approximately 30,000 gallons per day.

2. Chular County Sanitation District. This treatment plant is located in Section 9 of Township 16 South, Range 4 East, Monterey County. Treatment consists of screening and ponding. The average daily flow is 30,000 gallons per day.

3. Tres Pinos County Water District. This treatment plant is located in Section 20 of Township 13 South, Range 6 East, San Benito County. The only treatment is ponding. The average daily flow is estimated to be 100,000 gallons per day.

4. Western Pacific Sanitation Company (Toro Park Estates). This treatment plant is located in Section 18 of Township 15 South, Range 1 East, Monterey County. Treatment consists of screening, grinding, and aerated ponding. The average daily flow is 30,000 gallons per day.

DEFINITIONS

The following terms are defined for use in this appendix:

Sewage. Any and all waste substances, liquid or solid, associated with human habitation, or which contain or may be contaminated with human or animal excreta or excrement, offal, or any feculent matter. (Section 13005 of the Water Code.)

Other Waste. Any and all liquid or solid waste substances (not sewage) from any producing, manufacturing, or processing operation of whatever nature. (Section 13005 of the Water Code.)

Waste Water. Water containing sewage, other waste, or any combination thereof.

Sewerage System. A system for collecting, transporting, pumping, treating, and disposing of sewage and other wastes.

Reclaimed Waste Waters. Waters containing sewage or other waste which have been treated or otherwise purified to enable direct beneficial reuse or to allow reuse that would not otherwise occur. (Section 13005.1 of the Water Code.)

Primary Sewage Treatment. Treatment in a sewage treatment plant, which removes by sedimentation and flotation, a large portion of suspended matter, but little or no colloidal and dissolved matter. May be the first step in a major sewerage system or the total process in smaller sewerage systems.

Secondary Sewage Treatment. Treatment of sewage by biological methods which follows primary treatment and which accomplishes further stabilization of organic matter.

TABLE F-1

SUMMARY OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67	
	No. Plants	Volume Discharged (AF)	No. Plants	Volume Discharged (AF)	No. Plants	Volume Discharged (AF)

Total Volumes

1	6	11,500	6	13,000	6	13,200
2	58	532,900	58	588,100	58	596,000
3	<u>29</u>	<u>37,800</u>	<u>29</u>	<u>42,500</u>	<u>29</u>	<u>42,700</u>
Total	93	582,200	93	643,600	93	651,900

Discharged to Ocean or Tidal Water

1	0	0	0	0	0	0
2	48	513,700	48	565,500	48	572,500
3	<u>8</u>	<u>20,000</u>	<u>8</u>	<u>23,500</u>	<u>8</u>	<u>23,500</u>
Total	56	533,700	56	589,000	56	596,000

Discharged to Fresh Water

1	5	10,900	5	12,400	5	12,600
2	7	14,700	7	17,800	7	18,700
3	<u>8</u>	<u>9,500</u>	<u>8</u>	<u>10,100</u>	<u>8</u>	<u>10,400</u>
Total	20	35,100	20	40,300	20	41,700

Discharged to Land

1	1	600	1	600	1	600
2	3	4,500	3	4,800	3	4,800
3	<u>13</u>	<u>8,300</u>	<u>13</u>	<u>8,900</u>	<u>13</u>	<u>8,800</u>
Total	17	13,400	17	14,300	17	14,200

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	
North Coastal Water Quality Control Board Region (No. 1)							
City of Cloverdale	0.6	670	0.6	670	0.6	670	Russian River
City of Healdsburg	0.6	670	0.6	670	0.6	670	Dry Creek
Mendocino State Hospital	0.5	560	0.5	560	0.5	560	Land
City of Santa Rosa	6.3	7,060	7.4	8,290	7.6	8,510	Santa Rosa Creek
City of Sebastapol	0.3	450	0.3	450	0.3	450	LaGuna de Santa Rosa
	0.7*		0.7*		0.7*		
City of Ukiah	<u>1.9</u>	<u>2,130</u>	<u>2.1</u>	<u>2,350</u>	<u>2.1</u>	<u>2,350</u>	Russian River
TOTAL	10.2	11,540	11.5	12,990	11.7	13,210	

*During canning season for 3 months only.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	

San Francisco Bay Water Quality Control Board Region (No. 2)

City of Benicia	0.5	560	0.5	560	0.5	560	Carquinez Strait
City of Burlingame	2.6	2,910	3.6	4,030	3.6	4,030	San Francisco Bay
C and H Sugar Refinery	44.4	49,700	44.4	49,700	44.4	49,700	Carquinez Strait
Central Contra Costa Sanitary District	14.8	16,600	19.9	22,300	20.3	22,700	Suisun Bay
Contra Costa Sanitary District No. 7A	0.8	1,900	0.8	900	0.8	900	Suisun Bay
City of Concord	3.9	4,370	4.7	5,260	5.0	5,600	Walnut Creek
Crockett-Valona Sanitary District	0.3	340	0.3	340	0.3	340	Carquinez Strait
East Bay Municipal Utility District	76.4	85,600	85.3	95,500	85.8	96,100	San Francisco Bay
Fairfield-Suisun Sewer District	2.9	3,250	3.5	3,920	3.5	3,920	Suisun Slough
City of Hayward	9.0	10,100	10.5	11,800	10.3	11,500	San Francisco Bay
Las Gallinas Valley Sanitary District	1.5	1,680	2.3	2,580	2.5	2,800	Miller Creek
City of Livermore	2.6	2,910	2.6	2,910	2.6	2,910	Land
City of Los Altos	1.1	1,230	1.5	1,680	1.6	1,800	San Francisco Bay
Marin County Sanitary District No. 1	4.6	5,150	5.6	6,270	5.8	6,500	San Francisco Bay
Marin County Sanitary District No. 6 - Novato	1.9	2,130	2.2	2,460	2.3	2,580	Novato Creek
- Ignacio	0.7	780	0.7	780	0.7	780	San Pablo Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66			Fiscal Year 1966-67			Water Year 1966-67		
	Average Rate of Flow (Mgd)	Volume Discharged (AF)	Average Rate of Flow (Mgd)	Average Rate of Flow (Mgd)	Volume Discharged (AF)	Average Rate of Flow (Mgd)	Average Rate of Flow (Mgd)	Volume Discharged (AF)	Discharged to
<u>San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)</u>									
City of Martinez	1.2	1,340	1.3	1.3	1,460	1.3	1.3	1,460	Carquinez Strait
Menlo Park Sanitary District	4.5	5,040	4.9	4.9	5,490	4.9	4.9	5,490	San Francisco Bay
City of Mill Valley	1.8	2,020	2.1	2.1	2,350	2.1	2.1	2,350	Richardson Bay
City of Milbrae	1.6	1,790	1.8	1.8	2,020	1.8	1.8	2,020	San Francisco Bay
Milpitas Sanitary District	2.2	2,460	2.2	2.2	2,460	2.2	2.2	2,460	Coyote Creek
City of Mountain View	4.9	5,490	5.5	5.5	6,160	5.6	5.6	6,270	San Francisco Bay
Mountain View Sanitary District	0.6	670	0.6	0.6	670	0.7	0.7	780	Carquinez Strait
Napa Sanitation District	5.3	5,940	5.2	5.2	5,820	5.3	5.3	5,940	Napa River
North San Mateo County									
Sanitation District	3.8	4,260	4.0	4.0	4,480	3.7	3.7	4,140	Pacific Ocean
Oro Loma Sanitary District	11.7	13,100	12.9	12.9	14,400	13.3	13.3	14,900	San Francisco Bay
City of Pacifica									
Sharp Park Plant	0.8	900	1.0	1.0	1,120	1.0	1.0	1,120	Pacific Ocean
Linda-Mar Plant	1.1	1,230	1.2	1.2	1,340	1.4	1.4	1,570	Pacific Ocean
City of Palo Alto	10.2	11,400	12.0	12.0	13,400	12.4	12.4	13,900	San Francisco Bay
City of Petaluma	1.6	1,790	1.9	1.9	2,130	2.0	2.0	2,240	Petaluma River
City of Pinole	0.6	670	0.7	0.7	780	0.7	0.7	780	San Pablo Bay
City of Pleasanton	0.5	560	0.8	0.8	900	0.8	0.8	900	Land and Irrigation
City of Redwood City	6.0	6,720	6.8	6.8	7,620	6.9	6.9	7,730	San Francisco Bay
City of Richmond	9.3	10,400	10.2	10.2	11,400	10.1	10.1	11,300	San Francisco Bay
Rodeo Sanitary District	0.5	560	0.6	0.6	670	0.6	0.6	670	San Pablo Bay
Cities of San Carlos-Belmont	3.7	4,140	4.6	4.6	5,150	5.0	5.0	5,600	San Francisco Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Flow Rate of (Mgd)	Volume Dis- charged (AF)	Average Flow Rate of (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	

San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)

City and County of							
San Francisco	1.0 ^{1/}	1,000	1.0 ^{1/}	1,000	1.0 ^{1/}	1,000	Landscape Irrigation
McQueen Plant	54.2	60,700	58.8	65,900	59.4	66,500	San Francisco Bay
North Point Plant	17.6	19,700	19.3	21,600	19.7	22,100	Pacific Ocean
Richmond-Sunset Plant	19.1	21,400	19.7	22,100	19.6	22,000	San Francisco Bay
Southeast Plant	61.9	69,300	67.4	75,500	68.9	77,200	San Francisco Bay
City of San Jose							
City of San Leandro							
Domestic Plant	3.9	4,370	4.1	4,590	4.0	4,480	San Francisco Bay
Industrial Plant	3.4	3,810	3.7	4,140	3.8	4,260	San Francisco Bay
City of San Mateo	8.2	9,020	10.2	11,200	10.6	11,700	San Francisco Bay
San Pablo Sanitary District	5.5 ^{2/}	6,160	6.2	6,940	6.6	7,390	San Pablo Bay
San Rafael Sanitation District	2.3 ^{2/}	2,580	2.7	3,020	2.7	3,020	San Francisco Bay
Sausalito-Marín City Sanitary District	1.5	1,680	1.8	2,020	1.8	2,020	San Francisco Bay
Shell Chemical Company							
Pittsburg Plant	14.0	16,000	14.0	16,000	14.0	16,000	Suisun Bay
Sonoma Valley County							
Sanitation District	1.7	1,900	2.2	2,460	2.2	2,460	Schell Slough

^{1/} 1 Mgd from mid-January through November.

^{2/} Estimated flow.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)							
Cities of South San Francisco and San Bruno	8.2	9,180	9.5	10,600	9.5	10,600	San Francisco Bay
Stege Sanitary District	3.7	4,140	4.1	4,590	4.2	4,700	San Francisco Bay
City of Sunnyvale	10.8	12,100	12.5	14,000	12.7	14,200	San Francisco Bay
Travis Air Force Base	1.2	1,340	1.2	1,340	1.2	1,340	Union Creek
Union Sanitary District							
Newark Plant No. 1	3.2	3,580	3.4	3,810	3.5	3,920	San Francisco Bay
Irvington Plant No. 2	4.8	5,380	5.0	5,600	5.0	5,600	San Francisco Bay
Alvarado Plant No. 3	0.9	1,010	1.2	1,340	1.2	1,340	San Francisco Bay
Vallejo Sanitation and Flood Control District	7.2	8,060	7.4	8,290	7.5	8,400	Carquinez Strait
Valley Community Services District	0.7	780	1.1	1,230	1.3	1,460	Alamo Canal
TOTAL	473.9	532,880	525.2	588,080	532.2	596,030	

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	
Central Coastal Water Quality Control Board Region (No. 3)							
Aptos County Sanitation District	0.4	450	0.4	450	0.4	450	Monterey Bay
Atascadero Sewer Maintenance District	<0.1	70	<0.1	70	<0.1	70	Land
Atascadero State Hospital	0.3	340	0.3	340	0.3	340	Land
Carmel Sanitary District	1.1	1,230	1.0	1,120	1.0	1,120	Monterey Bay
Castroville County Sanitation District	0.4	450	0.4	450	0.4	450	Tembladero Slough
East Cliff County Sanitation District	2.1 ^{1/}	2,350	2.3 ^{1/}	2,580	2.3 ^{1/}	2,580	Monterey Bay
City of Gilroy Domestic Industrial	0.9 4.5 ^{1/}	1,000 ^{2/} 3,360 ^{2/}	1.0 4.6 ^{1/}	1,100 ^{2/} 3,400 ^{2/}	1.0 4.6 ^{2/}	1,100 ^{2/} 3,400 ^{2/}	Land
City of Gonzales	0.2 ^{1/}	220	0.2 ^{1/}	220	0.2 ^{1/}	220	Land
City of Greenfield	0.1	110	0.1	110	0.1	110	Land
City of Hollister Domestic Industrial	0.6 ^{1/} 2.8 ^{1/}	670 ^{1/} 1,250 ^{1/}	0.6 3.4 ^{1/}	670 1,600	0.6 3.4 ^{1/}	670 1,600	Land
City of King City	0.3 ^{1/}	340	0.4 ^{1/}	450	0.4 ^{1/}	450	Land, San Benito River
King City Airport	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1	110	Salinas River
							San Lorenzo Creek

^{1/} Estimated flow.^{2/} Canning season April through November.

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	
Central Coastal Water Quality Control Board Region (No. 3) (Continued)							
City of Monterey	2.4	2,690	2.7	3,020	2.7	3,020	Monterey Bay
City of Morgan Hill	0.4	450	0.4	450	0.4	450	Little Llagas Creek
City of Pacific Grove	1.6	1,790	1.5	1,680	1.6	1,790	Pacific Ocean
City of Paso Robles	0.8	900	0.8	900	0.8	900	Salinas River
Paso Robles School for Boys	<0.1	40	<0.1	40	<0.1	40	Land
City of Salinas	5.0 ^{1/}	5,600	5.4 ^{1/}	6,050	5.5 ^{1/}	6,160	Salinas River
Domestic Plant 1	1.0	1,120	1.0	1,120	1.2	1,340	Salinas River
Domestic Plant 2 (Alisal)	1.5 ^{2/}	1,100	1.5 ^{2/}	1,100	1.5 ^{2/}	1,100	Land
Industrial	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1 ^{1/}	110	Land
City of San Juan Bautista	<0.1	<10	<0.1	<10	<0.1	<10	Land
San Miguel Sanitary District	3.7	4,140	6.7 ^{1/}	7,500	6.3 ^{1/}	7,060	Monterey Bay
City of Santa Cruz							
Seaside County Sanitation District	1.4	1,570	1.3	1,460	1.3	1,460	Monterey Bay
Soledad State Prison	0.5 ^{1/}	560	0.5 ^{1/}	560	0.5 ^{1/}	560	Salinas River
City of Soledad	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1 ^{1/}	110	Land
City of Watsonville	5.1	5,710	5.1	5,710	5.3	5,940	Monterey Bay
TOTAL	37.7	37,850	42.2	42,490	42.4	42,720	

^{1/} Estimated flow.

^{2/} Canning season April through November.

TABLE F-3

SUMMARY OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66 Volume Reclaimed (AF)	Fiscal Year 1966-67 Volume Reclaimed (AF)	Water Year 1966-67 Volume Reclaimed (AF)
1	900	900	900
2	3,600	4,100	4,000
3	<u>700</u>	<u>700</u>	<u>700</u>
TOTAL	5,200	5,700	5,600

QUANTITIES OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		
	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused % of Total	
North Coastal Water Quality Control Board Region (No. 1)							
City of Healdsburg	670	24	670	24	670	24	
Mendocino State Hospital	560	560	560	560	560	100	
City of Santa Rosa	7,060	70	8,290	70	8,510	70	
City of Sebastopol	390	240	450	240	450	53	
City of Ukiah	2,130	11	2,350	11	2,350	11	
TOTAL		905		905	12,540	905	
San Francisco Bay Water Quality Control Board Region (No. 2)							
East Bay Municipal Utility District	85,600	1,020	95,500	1,170	96,100	980	
City of Livermore	2,910		2,910	90	2,910	150	
City of Palo Alto	11,400	40	13,400	40	13,900	40	
City of Pleasanton	520	520	850	850	900	100	
Golden Gate Park	1,000	1,000	1,000	1,000	1,000	100	
Travis Air Force Base	1,340	870	1,340	900	1,340	900	
Valley Community Services District	780	150	1,230	20	1,460	20	
TOTAL		3,600		4,070	117,610	3,990	
Central Coastal Water Quality Control Board Region (No. 3)							
Carmel Sanitary District	1,230	600	1,120	600	1,120	600	
City of Greenfield	110	20	110	20	110	20	
Soledad State Prison	560	65	560	65	560	65	
TOTAL		685		685	1,790	685	

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conduc- tance (micro- ohms at 25°C)	Mineral constituents										milligrams per liter (ppm) equivalents per million				T.O.S. mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm) Total N.C.	Per- cent Sodi- um
						Cal- cium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammo- nium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Boron (B)	Fluo- ride (F)	Silica (SiO ₂)				
City of Cloverdale	10-27-65	24 Hour	0.2	7.5	618	2.78 _g		54						33	14.2	0.7			372	149	44	
	4-12-66	24 Hour	0.8	7.3	402	2.22 _g		28						0.93	23.9	0.2			252	113	35	
	10-27-65	24 Hour	0.5*	7.0	595	2.86 _g		53						36	19.5	0.6			368	143	44	
	4-12-66	24 Hour	0.6	7.5	856	2.44 _g		50						58	11.5	0.6			438	222	33	
Hendocino State Hospital	10-26-65	24 Hour	0.3	8.1	514	3.34 _g		40						24	23.0	0.2			316	167	34	
	10-27-65	24 Hour	5.9	7.8	995	3.44 _g		93						96	0.8	0.7			486	172	54	
City of Santa Rosa West College Avenue Plant	4-13-66	24 Hour	7.0	7.5	907	2.00 _g		3.09						2.71	0.01	0.2			458	200	44	
	11-2-65	24 Hour	0.4	7.7	1020	2.34 _g		118						100	0.4	0.6			560	147	64	
City of Sebastopol	4-13-66	24 Hour	0.4*	7.4	836	2.80 _g		59						60	0.9	0.6			434	140	48	
	10-26-65	24 Hour	1.2	7.2	624	2.50 _g		55						32	10.1	0.4			358	125	49	
City of Ukiah	4-11-66	24 Hour	1.9	7.5	453	2.42 _g		33						27	16.4	0.1			290	121	37	
								1.44						0.76								
SAN FRANCISCO BAY REGION (NO. 2)																						
City of Burlingame	9-27-67 0900-1300	6 Hour	2.2	7.3	821	1.96 _g		62						107	0.9	0.5			475	98	58	
	1-20-66	24 Hour	0.6	6.8	12500	25.57 _g		2110						3680	0.9	1.1			7430	1280	78	
Central Contra Costa Sanitary District	1-17-66	24 Hour	17.2	7.4	1220	4.40 _g		118						125	1.8	1.0			610	220	54	
								5.13						3.53	0.03							

* Estimated Flow
* Sum of Calcium and Magnesium in ppm

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conduct- (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm) equivalents per million										TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Total Sum				
						Calcium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammonia (NH ₄)	Carbon- dioxide (CO ₂)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)				Boron (B)	Fluor- ide (F)	Silica (SiO ₂)	
East Bay Municipal Utility District	1-16-66	24 Hour	85.6	7.1	1280	38	14	142														
	7-1-65 thru 6-30-66	24 Hour	76.4	7.0		1.90	1.15	6.18	26													
	7-1-65 thru 6-30-66	24 Hour	68.3	6.7		6.1	0.66	6.32	0.67													
	8-1-66 thru 6-31-66	24 Hour	82.2	6.7		3.02																
	9-1-66 thru 6-30-66	24 Hour	79.7	6.6		1.60	1.15															
	10-1-66 thru 6-30-66	24 Hour	75.2	6.6		4.7	1															
	12-1-66 thru 6-30-66	24 Hour	91.2	6.9		2.35	0.08															
	1-1-67 thru 1-31-67	24 Hour	99.9	7.0		2.3	1.5															
	3-1-67 thru 6-30-67	24 Hour	97.0	7.2		1.25	1.23															
	4-1-67 thru 6-30-67	24 Hour	106.5	7.2		1.65	0.90															
	5-1-67 thru 6-30-67	24 Hour	78.4	7.1		1.85	0.85	74														
	6-1-67 thru 6-30-67	24 Hour	78.9	6.9		3.1	1.3	3.22														
	7-1-67 thru 6-30-67	24 Hour	85.3	6.9		1.55	1.07															
	7-1-67 thru 6-30-67	24 Hour	74.8	6.8		3.6	1.1															
	8-1-67 thru 6-30-67	24 Hour	78.8	6.4		1.80	0.90															
	9-1-67 thru 6-30-67	24 Hour	82.7	6.6		3.6	1.1															
					1139			3.22														
						32	15	6.09														
						1.40	1.23															
						32	15															
						1.40	1.23															

m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field Lab	Specific Conduc- tance (micro- mhos/cm at 25°C)	Co- li- um (Co)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammon- ium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Boron (B)	Fluo- ride (F)	Silica (SiO ₂)	TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Sodi- um
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																					
City of Hayward	8-28-67	24 Hour	14.1	7.9	2640	7.05 _a	382 16.62 _a	—	—	—	0	346 5.67	552 15.57	0.9 0.01	—	—	—	—	—	353	—
Las Gallinas Valley Sanitary District	1-18-66	24 Hour	1.9 _m	7.5	1000	3.30 _a	86 4.09	—	—	—	—	—	108 3.05	1.3 0.02	—	—	—	—	—	—	—
Milpitas Sanitary District	8-24-67	24 Hour	2.2 _y	7.1	760	—	102 4.44	—	—	—	0	84 1.38	217 5.87	48.7 0.79	—	—	—	—	—	461	165
Oro Loma Sanitary District	8-24-67	24 Hour	11.7 _m	7.3	1020	3.40 _a	92 4.09	—	—	—	0	338 5.34	88 2.48	0.6 0.01	—	—	—	—	—	190	51
City of Redwood City	9-27-67	24 Hour	6.1 _m	7.1	2010	4.32 _a	265 11.55	—	—	—	—	—	380 10.72	0.8 0.01	—	1.0	—	—	1170	226	72
Cities of San Carlos and Belmont	8-27-67 0800-1200	7 Hour	5.3 _m	7.3	840	2.12 _a	81 3.55	—	—	—	—	—	113 3.19	3.5 0.05	0.2	—	—	—	—	439	106
City and County of San Francisco North Point Plant	8-30-67	24 Hour	56.1 _m	7.1	1430	3.36 _a	185 8.05	—	—	—	0	142 2.33	302 8.52	1.3 0.02	—	—	—	—	—	167	71
City and County of San Francisco Southeast Plant	8-30-67	24 Hour	16.2 _m	6.9	4100	9.45 _a	584 25.40	—	—	—	0	205 3.36	1000 28.21	1.3 0.02	—	—	—	—	—	473	73
City of San Jose	12-21-65	24 Hour	57.9	7.3	1800	5.33 _a	174 7.57	18 0.46	—	—	—	—	214 6.04	0	0	0.7	—	—	798	268	56
	7-20-66	24 Hour	69.1	7.6	1540	5.65 _a	178 7.74	—	—	—	—	—	188 5.30	—	—	0.8	—	—	835	283	58
	8-17-66	24 Hour	83.4	7.8	1450	5.51 _a	208 9.04	—	—	—	—	—	170 4.80	0.4 0.01	—	0.2	—	—	841	276	62
	11-2-66	24 Hour	62.0	7.7	1520	5.0 _a	187 8.13	23 0.59	—	—	0	414 6.78	206 5.81	3.5 0.6	—	—	—	—	788	280	57
	8-24-67	24 Hour	88.3	7.8	1600	5.34 _a	210 9.14	—	—	—	0	503 8.24	181 5.11	1.2 0.02	—	—	—	—	266	63	63

a Sum of Calcium and Magnesium in eqm
m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field Lab	Specific conduct- ance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm) equivalents per million										TDS mg/ l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Sod- ium			
						Cal- cium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammon- ium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)				Bar- ium (Ba)	Fluo- ride (F)	Silica (SiO ₂)
						SAN FRANCISCO BAY REGION (NO. 2) (CONT.)															
City of San Mateo	9-5-67	24 Hour	8.6 _m	7.7	1830	5.39 _a		243 10.57			0	260 4.26		391 11.03	0.4 0.01				270	66	
Shell Chemical, Pittsburg Plant	3-24-66 1115	Grab	14 _m	7.7	824	2.44 _a		62 2.70			0			58 1.64	3.1 0.05	0.0			369	52	
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.6 _a	7.9	4470	8.52 _a		628 27.32			0	310 3.08		1020 28.77	1.3 0.02				430	76	
City of Sunnyvale	8-24-67	24 Hour	14.5 _m	7.1	1650	5.84 _a		170 7.40			0	266 4.36		314 8.86	1.2 0.02				295	56	
Travis Air Force Base	1-18-66	24 Hour	1.2 _a	7.3	1440	5.53 _a		139 6.05			0			114 3.22	0.4 0.01	1.2			734	52	
Union Sanitary District Newark Plant (No. 1)	8-24-67	24 Hour	3.4 _m	7.6	2000	7.51 _a		200 8.70			0	412 6.75		362 10.21	1.2 0.02				376	54	
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.3 _m	7.6	2390	7.83 _a		286 12.40			0	292 4.78		393 11.09	0.7 0.01				392	61	

a Sum of Calcium and Magnesium in ppm

m Monthly Average

y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conductance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)										TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Sod- ium N.C.				
						Cal- cium (Ca)	Magne- sium (Mg)	Sod- ium (Na)	Pos- sium (K)	Ammo- nium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Nit- rate (NO ₃)				Boron (B)	Fluor- ide (F)	Silico (SiO ₂)	
CENTRAL COASTAL REGION (No. 3)																						
Aptos County Sanitation District	9-13-66	24 Hour	0.4	7.4	1200	3.9 _a		104						128	0.4	0.6			634	198	53	
Carmel Sanitary District	9-10-66	24 Hour	1.3	7.2	909	2.7 _a		67						80	0.9	0.5			409	138	51	
Castroville County Sanitation District	9-15-66	24 Hour	0.3	7.3	1460	4.2 _a		134						204	1.3	0.7			710	210	58	
Chualar County Sanitation District	6- 2-67 0900	Grab	0.02	7.8	2560	167 8.33	83 6.83	223 9.70	2.3 0.06		639 11.13	298 6.20	302 8.93	0.0 0.00	0.0 0.00	1.2			1610	760	120	39
Fort Ord - Main Garrison	9-14-66	24 Hour	---	7.8	1190	4.9	26	97	18		319 5.23	92	135	1.1	0.6			626	229	46		
City of Gilroy - Domestic	9-16-66	24 Hour	0.6*	7.4	1060	4.3 _a	4.3 _a	101						100	0.4	0.6			554	226	49	
City of Gilroy - Industrial	9-22-66 1000	Grab	4.0*	7.4	1040	4.4 _a	4.4 _a	108						39	4.9	0.4			574	221	54	
City of Gonzales	9- 8-66 1630	Grab	0.2*	7.9	2350	8.7 _a	8.7 _a	282						618	0.9	1.2			1430	437	58	
City of Greenfield	9- 8-66 1330	Grab	0.2*	7.3	2510	12.1 _a	10.2 _a	235						357	0.0	0.6			1480	609	46	
City of Hollister - Domestic	9-15-66	24 Hour	0.6	7.4	3010	10.9 _a	10.9 _a	353						501	0.4	1.2			1630	549	58	
City of Hollister - Industrial	9-23-65 1600	Grab	5.0*	7.6	2440	26 1.30	53 4.37	477	82		746 12.23	199	118	0	0.00	1.1			2200	284	0	73
City of King City	9-15-66 1345	Grab	6-6.5*	7.3	2440	7.6 _a	16.88	388						141	4.0	1.0			1830	384	69	
City of King City	9- 6-66	24 Hour	0.4	7.3	1310	4.4 _a	6.18	162						155	0.4	0.8			672	224	58	
City of King City - Airport	9- 6-66	24 Hour	0.1*	8.3	1660	8.6 _a	7.66	176						173	571	1.2			1030	432	47	
City of Monterey	9- 9-66	24 Hour	2.4*	7.6	1520	3.2 _a	8.61	198						242	0.6	0.5			700	166	72	
City of Morgan Hill	9-16-66	24 Hour	0.3	7.7	951	3.4 _a	3.57	82						67	3.5	0.0			466	192	48	

* Estimated Flow
a Sum of Calcium and Magnesium in ppm

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conductance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)													TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	per- cent CaCO ₃ Total
						Calcium (Ca)	Magne- sium (Mg)	Sodium (Na)	Potas- sium (K)	Ammon- ium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Chlor- ide (Cl)	Ni- trate (NO ₃)	Boron (B)	Fluo- ride (F)	Silica (SiO ₂)				
CENTRAL COASTAL REGION (NO. 3) (CONT.)																					
City of Pacific Grove	9-10-66	24 Hour	1.5	7.2	1020	2.98 _a		98	4.26						101	0.0	0.8		425	149	59
	6- 8-66	24 Hour	7.5	7.5	1550	7.15 _a		158	6.87						217	11.1	0.4		890	358	49
	9- 8-66	24 Hour	7.7	7.4	1800	7.72 _a		282	12.27						279	0.4	0.7		1000	390	61
City of Salinas Plant No. 2 (Allseal)	6- 8-66	24 Hour	1.0*	7.4	1020	3.80 _a		123	5.35						131	97.5	0.3		657	190	58
	9- 8-66	24 Hour	1.0*	7.1	1040	3.69 _a		112	5.35						140	324.0	0.4		589	180	37
	6- 2-67 0930	Grab	1.5	8.8	2000	7.02 _a	70	178	7.74	14	57	381	324	228	0.2	0.4		1310	642	236	37
City of Salinas - Industrial	6- 5-67 0930	Grab	0.1*	8.7	2510	129 _a	35	306	13	39	420	90	452	0.0	0.9			1410	467	59	58
	9-12-66	24 Hour	---	7.2	1870	6.42 _a	2.89	13.31	0.33		1.30	6.88	1.78	2.89	0.00						
	9-10-66	24 Hour	1.3	7.7	1910	4.99 _a		246	10.70						305	2.7	0.7		960	246	68
Seaside County Sanitation District	9- 8-66 1600	Grab	0.2*	8.0	2260	11.71 _a		224	9.74						306	0.6	0.6		895	266	65
	9- 7-66	24 Hour	0.6	7.2	2450	5.87 _a		368	16.01						574	1.8	0.4		1340	586	45
	9-15-66 1330	Grab	0.01*	9.5	5080	14.40 _a		885	38.50						941	0.9	4.0		1310	294	73
City of Watsonville	9-14-66	24 Hour	6.9	7.6	1180	4.19 _a		137	5.96						165	0.5	0.2		3170	721	73
	6- 2-62 0545	Grab	0.03	8.5	1340	30	18	194	19	11	315	5.16	57	193	0.1	1.2		601	205	59	
						1.50	1.40	8.44	0.48	0.37	0.37	5.16	1.08	5.44	0.00				822	148	0

* Estimated Flow

* Sum of Calcium and Magnesium in eqs.

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)					Organics mg/l (ppm)			Nutrients mg/l (ppm)					Ortho phos- phate [PO ₄]	
				Alumi- num (Al)	Ar- senic (As)	Chro- mium (Cr+6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total Iron (Fe)	Surfact- ants (apparent) ABS	Grease oil	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammo- nia (N)		Ni- tro- gen (N)
NORTH COASTAL REGION (NO. 1)																		
City of Cloverdale	10-27-65 4-17-66	24 Hour 24 Hour	0.2 0.8								2.1 0.8					3.2 5.4	1.8 8.3	42 1.8
City of Healdsburg	10-27-65 4-12-66	24 Hour 24 Hour	0.5* 0.6								0.6 1.8					2.6 2.4	17 24	37 35
Mendocino State Hospital	10-26-65	24 Hour	0.3								0.6					5.2	2.6	12
City of Santa Rosa West College Avenue Plant	10-27-65 4-13-66	24 Hour 24 Hour	5.9 7.0								2.6 3.9					0.2 0.2	34 26	34 25
City of Sebastopol	11- 2-65 4-13-66	24 Hour 24 Hour	0.4 0.4*								5.7 3.1					0.1 0.2	31 30	35 32
City of Ukiah	10-26-65 4-11-66	24 Hour 24 Hour	1.2 1.9								2.6 0.3					2.3 3.7	24 14	38 17
SAN FRANCISCO BAY REGION (NO. 2)																		
City of Burlingame	9-27-67 0900-1500	6 Hour	2.2 _m								6.2					0.2	45	25
C and H Sugar Refine-y	1-20-66	24 Hour	0.6 _m								0.1					0.2	0.7	0.6
Central Contra Costa Sanitary District	1-17-66	24 Hour	17.2 _m								4.2					0.4	30	38
East Bay Municipal Utility District	7-1-65 thru 6-30-66 7-1-66 thru 7-31-66 8-1-66 thru 8-31-66 9-1-66 thru 9-30-66 10-1-66 thru 10-31-66 11-1-66 thru 11-30-66 12-1-66 thru 12-31-66 1-1-67 thru 1-31-67	24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour 24 Hour	76.4 68.2 _m 82.2 _m 82.2 _m 79.7 _m 75.2 _m 82.2 _m 91.2 _m 91.2 _m 99.9 _m	6.4 _y 0.2 _y 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m	5.4 _y 2.1 _m 2.1 _m 3.8 _m 3.0 _m	39 _y 2.1 _m 4 _m 1.2 _m 26 _m 4 _m 37 _m	< 0.1 _y 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m	249 _y 22 _m 334 _m 290 _m 220 _m 188 _m 215 _m	16.3 _y 0.2 _y 13.1 _m 12.8 _m 11.0 _m 13.6 _m	0.2 _y 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m 0.1 _m	1.5 _y 0.2 _y 0.8 _m 1.0 _m 2.0 _m 4.6 _m	18 _m 23 _m 27 _m 16 _m						

* Estimated Flow
m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)				Total phos- phate (PO ₄)
				Alumi- num (Al) (Al)	Chrom- ium (Hex) (Cr+6)	Copper (Cu) (Cu)	Lead (Pb) (Pb)	Manga- nese (Mn) (Mn)	Zinc (Zn) (Zn)	Total iron (Fe) (Fe)	Surfact- ants (SAS) (SAS)	Gross oil (G.O.)	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammo- nia (N) (N)	Ni- trite (N) (N)	Organic Ammonia (N) (N)	
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
East Bay Municipal Utility District	2-1-67 thru 2-28-67	24 Hour	83.6															
	3-1-67 thru 3-31-67	24 Hour	97.0	0.5						2.0		38	<0.1	221	12.3	0.4	1.1	20
	4-1-67 thru 4-30-67	24 Hour	106.5	0.7						0.4	2.4	7.7	0.2	186	14.2	0.3	0.8	32
	5-1-67 thru 5-31-67	24 Hour	78.4	6.6	0.1					1.9		43	<0.1	261	15.8	0.2	0.8	22
	6-1-67 thru 6-30-67	24 Hour	78.9	<0.1						19.6		34	0.1	208				24
	7-1-66 thru 7-30-67	24 Hour	85.3	2.6	0.1					4.7	2.4	33	0.7	236	13.3	0.2	1.9	23
	8-1-67 thru 8-31-67	24 Hour	76.8	2.4	<0.1					6.0		14	<0.1	201				26
	9-1-67 thru 9-30-67	24 Hour	78.8	0.4	0.4					4.8		15	<0.1	296	15.8	0.2	0.8	53
		24 Hour	82.2	10.8	<0.1					5.6		37	<0.1	349	15.4	0.1	0.6	34
		24 Hour	14.1								1.6			>153	0.0	0.2	17	31
City of Hayward Las Gallinas Valley Sanitary District	1-18-66	24 Hour	1.9															
	8-24-67	24 Hour	2.2											18	2.5	11	2.5	
	8-24-67	24 Hour	11.2											136	20	0.1	8.4	
	9-27-67	24 Hour	6.1															
	9-27-67	7 Hour	5.3															
	8-30-67	24 Hour	56.1											150	12	0.3	8.0	
	8-30-67	24 Hour	16.2											248	21	0.3	17	
	12-21-65	24 Hour	57.9															34
	7-20-66	24 Hour	69.1															33
	8-17-66	24 Hour	83.4															13
City and County of San Francisco North Point Plant City and County of San Francisco Southeast Plant City of San Jose	11-2-66	24 Hour	62.0															0.1
	8-24-67	24 Hour	88.3															0.8
		24 Hour	88.3															0.3
	7-25-67	Composite	6.4															14
City of San Leandro - Domestic																		

m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)			Nutrients mg/l (ppm)				Other phos- phate (PO ₄)	Total
				Alu- min- ium (Al)	Chro- m- ium (Cr ⁶)	Copper (Cu)	Lead (Pb)	Mang- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (apparent) (ABS)	Phenolic and material (C ₆ H ₅ OH) (5 day)	Ammon- ia (N)	Ni- trite (N)	Organic nitrate (N)			
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
City of San Leandro - Domestic	8-2-67	Composite	4.0															
City of San Leandro - Industrial	7-25-67	Composite	3.4															
City of San Leandro - Domestic and Industrial	8-2-67	Composite	4.2															
City of San Leandro	8-10-67	Composite	7.7															
City of San Mateo	9-5-67	24 Hour	8.6															
Shell Chemical, Pittsburg Plant	3-24-66 1115	Grab	1.4								0.1				22	0.1	10	
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.8															2.6
Stage Sanitary District	7-1-65 thru 6-30-66	Composite	3.7															
	7-1-66 thru 6-30-67	Grab & Composite	4.2															
City of Sunnyvale	8-24-67	24 Hour	14.7															
Travis Air Force Base	1-18-66	24 Hour	1.2															
Union Sanitary District Newark Plant (No. 1)	8-24-67	24 Hour	3.4															
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.3															

m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)					Nutrients mg/l (ppm)						
				Alum- num (Al)	Ar- senic (As)	Chrom- ium (Cr6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (apparent) (ABS)	Grease material oil	Phenolic material (C6H5OH)(5 day)	BOD	Ammon- ia (N)	Organic (N)	Ni- trate (N)	Ni- trite (N)	Ammon- ia (N)	Ortho- phos- phate (PO4)
CENTRAL COASTAL REGION (NO. 3)																					
Aptos County Sanitation District	9-21-65	24 Hour	0.4																		
	5- 9-66	8 Hour	0.3																		
	9-13-66	24 Hour	0.4																		
	5-23-67	24 Hour	0.3																		
	9-20-65	24 Hour	0.03																		
Bear Creek Estates	9-12-66	24 Hour	0.03																		
	9-17-65	24 Hour	1.0																		
	5-12-66	8 Hour	0.8																		
	9-10-66	24 Hour	1.3																		
	5-18-67	24 Hour	1.1																		
Castroville County Sanitation District	9-15-66	24 Hour	0.3																		
	6- 2-67	Grab	0.02																		
Chualar County Sanitation District	9-21-65	24 Hour	1.8																		
	5- 9-66	8 Hour	2.2																		
	9-13-66	24 Hour	1.1																		
	5-23-67	24 Hour	1.2																		
	9-14-66	24 Hour	---																		
Port Ord Main - Garrison City of Gilroy - Domestic	9-23-65	24 Hour	0.6*																		
	5-19-66	24 Hour	0.6*																		
	9-16-66	24 Hour	0.6*																		
	5-31-67	24 Hour	0.3*																		
	9-23-65	Grab	4.0*																		
City of Gilroy - Industrial	9-22-66	Grab	4.0*																		
	1000																				
	9-13-65	Grab	0.2*																		
	1000																				
	9- 8-66	Grab	0.2*																		
City of Gonzales	9-13-65	Grab	0.2*																		
	1000																				

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)				Total phos- phate (PO ₄)	
				Alumi- num (Al)	Chro- mium (Hex) (Cr+6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (apparent) (ABS)	Grease and oil	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammo- nia (N)	Ni- trate (N)	Organic nitrogen (N)		Ortho phos- phate (PO ₄)
CENTRAL COASTAL REGION (NO. 3) (CONT.)																			
City of Greenfield	9-13-65	Grab	0.2*											110					36
	9-8-66		Grab	0.2*							2.0			128		0.0	52		
	1100- 1330																		
City of Hollister - Domestic	9-23-65	24 Hour	0.6											191					43
	5-18-66	24 Hour	0.5											235					
	9-15-66	24 Hour	0.6								4.7			190		0.1	44		
	5-31-67	24 Hour	0.5*											160					
City of Hollister - Industrial	9-23-65	Grab	5.0*											855		0			12
	1000- 1300																		
	9-15-66		Grab	6-6.5*								0.2			840		0.9	40	
City of King City	9-13-65	24 Hour	0.3											49					42
	5-16-66	24 Hour	0.3*											53					
	9-6-66	24 Hour	0.4								0.9			62		0.1	29		
	5-16-67	24 Hour	0.4											144					
City of King City Airport	9-13-65	24 Hour	0.1*											18		129	1.6	8.9	33
	9-6-66	24 Hour	0.1*											26					
	9-16-65	24 Hour	2.6											154					
	5-13-66	8 Hour	2.4											170					
City of Monterey	9-9-66	24 Hour	2.4*											177		0.4	31		52
	9-21-66	24 Hour	2.5											160					
	5-17-67	24 Hour	2.9	0.33	0.00	0.18	0.03	0.01	0.39	0.64									
	5-22-67	24 Hour	2.8																
City of Morgan Hill	9-24-65	24 Hour	0.3											46					44
	5-19-66	24 Hour	0.3*											74					
	9-16-66	24 Hour	0.3								2.0			30		0.8	29		
	5-31-67	24 Hour	0.3*											104					
City of Pacific Grove	9-17-65	24 Hour	1.4											112		0.0	42		
	9-10-66	24 Hour	1.5											173					
	5-18-67	24 Hour	1.6								6.8			104					

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P.S.T.)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)					Organics mg/l (ppm)					Nutrients mg/l (ppm)					Total dissolved solids (ppm)	
				Alumi- num (Al)	Chromi- um (Hex) (Cr+6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ant (apparent) (ABS)	Grease and oil	Phenolic material (C ₆ H ₅ OH) (5 day)	BOD	Ammo- nia (N)	Ni- tate (N)	Organi- c (N)	Ammono- ia (N)		Other phos- phate (PO ₄)
CENTRAL COASTAL REGION (NO. 3) (CONT.)																				
City of Salinas Plant No. 1	9-15-65	24 Hour	5.0*																	
	6- 8-66	24 Hour	7.5																	26
	9- 8-66	24 Hour	7.7																	26
	12-27-66	Grab	---																	
	10-23-67	Grab	---																	
	3- 1-67	Grab	---																	
	10-00-67	Grab	---																	
	10-00-67	Grab	---																	
	7-19-67	Grab	6.6																	
	10-15-67	Grab	---																	
City of Salinas Plant No. 2 (Alisal)	9-16-65	24 Hour	1.0*																	
	6- 8-66	24 Hour	1.0*																	44
	9- 8-66	24 Hour	1.0*																	55
	12-27-66	Grab	---																	
	1-25-67	Grab	---																	
	3- 1-67	Grab	---																	
	10-23-67	Grab	---																	
	3- 7-67	Grab	---																	
	10-20-67	Grab	---																	
	9-14-67	24 Hour	1.0																	
City of Salinas - Industrial City of San Juan Bautista	9-19-67	Grab	1.5																	
	5-11-67	Grab	0.1*																	
	08-00-67	Grab	0.1*																	
	6- 1-67	Grab	---																	
City of Santa Cruz	9-20-65	24 Hour	3.9																	16
	5- 9-66	24 Hour	2.8																	
	9-12-66	24 Hour	---																	
	5-23-67	24 Hour	5.2																	

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P.S.T.)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)			Nutrients mg/l (ppm)				Ortho phos- phate (PO ₄)	Total phos- phate (PO ₄)	
				Alum- inum (Al)	Ar- senic (As)	Chrom- ium (Hex) (Cr*6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (apparent) (A.B.S.)	Grease and oil	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammon- ia (N)			Ni- trate (N)
CENTRAL COASTAL REGION (NO. 3) (CONT.)																			
Seaside County Sanitation District	9-16-65	24 Hour	1.5																
	5-10-66	8 Hour	1.3											152					
	9-10-66	24 Hour	1.3											165					
	9-21-66	24 Hour	1.4											167		0.4	44		42
	5-21-67	24 Hour	1.5											186					
City of Soledad	9-21-65	Grab	0.2*											39					
	9-8-66 1130 1600	Grab	0.2*											78		0.0	28		14
Soledad, California Correctional Training Facility	9-14-65	24 Hour	0.6												9.4				
	5-16-66	24 Hour	0.5											25					
	9-7-66	24 Hour	0.6											24		0.4	16		36
	5-16-67	24 Hour	0.5											31					
Trea Pinos County Water District	9-23-65	Grab	0.01*												> 100				
	9-15-66 1700 1330	Grab	0.01*											49		0.2			8.8
City of Watsonville	9-22-65	24 Hour	5.8																
	5-11-66	24 Hour	5.4											241					
	9-14-66	24 Hour	6.5											168					
	5-23-67	24 Hour	6.7											243		0.2	15		11
Western Pacific Sanitation Company (Torco Park)	6-2-67 0555	Grab	0.03											155					

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
East Bay Municipal Utility District	7-1-65 thru 6-30-66	24 Hour	76.4 y	0.5 y	154 y	1164 y	371 y	
	7-1-66 thru 7-31-66	24 Hour	68.3 m	0.1 m,c	110 m,c	1218 m,c	468 m,c	
	8-1-66 thru 8-31-66	24 Hour	82.2 m	0.2 m,c	121 m,c			
	9-1-66 thru 9-30-66	24 Hour	79.7 m	0.1 m,c	121 m,c	1393 m,c	464 m,c	
	10-1-66 thru 10-31-66	24 Hour	75.2 m	0.1 m,c	124 m,c	1032 m,c	422 m,c	
	11-1-66 thru 11-30-66	24 Hour	82.2 m	0.2 m,c	168 m,c	2143 m,c	466 m,c	
	12-1-66 thru 12-31-66	24 Hour	91.2 m	0.3 m,c	183 m,c	837 m,c	510 m,c	
	1-1-67 thru 1-31-67	24 Hour	98.2 m	0.4 m,c	176 m,c	1096 m,c	311 m,c	
	2-1-67 thru 2-28-67	24 Hour	83.6 m	0.6 m,c	176 m,c	1024 m,c	263 m,c	
	3-1-67 thru 3-31-67	24 Hour	97.0 m	0.3 m,c	140 m,c	1052 m,c	278 m,c	
	4-1-67 thru 4-30-67	24 Hour	106.5 m	0.4 m,c	142 m,c	914 m,c	357 m,c	
	5-1-67 thru 5-31-67	24 Hour	78.4 m	0.4 m,c	156 m,c	920 m,c	318 m,c	
	6-1-67 thru 6-30-67	24 Hour	78.2 m	0.2 m,c	118 m,c	1132 m,c	396 m,c	
	7-1-67 thru 7-31-67	24 Hour	85.3 y	0.3 y,c	145 y,c	1161 y,c	385 y,c	
		24 Hour	74.8 m	0.1 m,c	112 m,c	817 m,c	267 m,c	

c Constable Oligated Sludge
m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
East Bay Municipal Utility District (Cont.)	8-1-67 thru 8-31-67	24 Hour	78.8 _m	0.1 _{m,c}	1.1 _{m,c}	8.3 _{m,c}	38.1 _{m,c}	Pesticides: Complex chlorinated compounds as DDT Heptachlor, Dieldrin, ppDD, and ppDD present Pesticides: Chlorinated compounds as DDT = 40000 ppt Pesticides: Complex chlorinated compounds as DDT = 4700 ppt Pesticides: Unknown as DDT = 400 ppt Unknown as DDT = 170 ppt Heptachlor Epoxide = 100 ppt Dieldrin = 38 ppt ppDD = 37 ppt Pesticides: Complex chlorinated compounds as DDT = 58000 ppt Pesticides: Complex chlorinated compounds as DDT = 5840 ppt Pesticides: Complex chlorinated compounds as DDT = 1500 ppt Pesticides: Complex chlorinated compounds as DDT = 1900 ppt Pesticides: Complex chlorinated compounds as DDT = 2900 ppt
	9-1-67 thru 9-30-67	24 Hour	82.7 _m	0.3 _{m,c}	13 _{m,c}	105.4 _{m,c}	499 _{m,c}	
City of San Jose	7-20-66	Effluent 24 Hour	69.1					
	8-1-66 1100	Influent Grab	71.5					
	8-17-66	Influent 24 Hour	83.4					
	8-31-66	Influent 24 Hour	85.2					
	9-21-66	Influent 24 Hour	79.2					
	9-21-66	Effluent 24 Hour	79.2					
	10-5-66	Effluent 24 Hour	71.6					
	10-19-66	Influent 24 Hour	65.2					
	11-2-66	Influent 24 Hour	62.0					

c Contains Digested Sludge
m Monthly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of San Jose (Cont.)	11-17-66	Influent 24 Hour	58.6					
	11-17-66	Digested Sludge Grab						Pesticides: Complex chlorinated compounds as DDT = 23000 ppt
	11-17-66	Effluent 24 Hour	58.6					Pesticides: Unknown as DDT = 23000 ppt
	7-25-67	Composite	4.4	0.1	48			Pesticides: BHC like = 85 ppt
	8-2-67	Composite	4.0	0.1	88			
	7-25-67	Composite	3.4	0.0	52			
	8-2-67	Composite	4.2	0.0	84			
	8-10-67	Composite	7.7	0.1	92			
	7-1-65 thru 6-30-66	Grab and Composite	3.7	0.4	83	155g		
	7-1-66 thru 6-30-67	Grab and Composite	4.2	0.5	82	151g		
CENTRAL COASTAL REGION (NO. 3)								
Aptos County Sanitation District	9-21-65	24 Hour	0.4	0.1	92			
	5-9-66	8 Hour	0.3	1.0	110			
	9-13-66	24 Hour	0.4	0.1	114			
	5-23-67	24 Hour	0.3	< 0.1	78			
	9-20-65	24 Hour	0.03	< 0.1	21			
Bear Creek Estates	9-12-66	24 Hour	0.03	40	168			

y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mg d)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
CENTRAL COASTAL REGION (NO. 3) (CONT.)								
Carmel Sanitary District	9-17-65	24 Hour	1.0	< 0.1	70			
	5-12-66	8 Hour	0.8	0.5	102			
	9-10-66	24 Hour	1.3	0.1	52			
Castroville County Sanitation District	5-18-67	24 Hour	1.1	0.1	72			
	9-22-65	24 Hour	0.4	0.1	74			
	9-15-66	24 Hour	0.3	0.2	112			
Chualar County Sanitation District	6-2-67 0900	Grab	0.02	< 0.1	70			
East Cliff County Sanitation District	9-21-65	24 Hour	1.8	0.1	148			
	5-9-66	8 Hour	2.2	0.1	172			
	9-13-66	24 Hour	1.1	0.3	138			
Fort Ord Main - Carrison City of Gilroy - Domestic	5-23-67	24 Hour	1.3	< 0.1	132			
	9-14-66	24 Hour	--	< 0.1	72			
	9-23-65	24 Hour	0.6*	1.5	108			
City of Gilroy - Industrial	5-19-66	24 Hour	0.6*	3.5	138			
	9-16-66	24 Hour	0.6*	0.4	98			
	5-31-67	24 Hour	0.3*	1.2	74			
City of Gonzales	9-23-65 1330	Grab	4.0*	18	618			
	9-22-66 1000	Grab	4.0*	55	350			
	9-13-65 1030	Grab	0.2*	0.5	227			
	9-8-66 1630	Grab	0.2*	< 0.1	92			

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mg/d)	Settlable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of Greenfield	9-13-65 1100	Grab	0.24	< 0.1	247	CENTRAL COASTAL REGION (No. 3) (CONT.)		
	9-8-66 1530	Grab	0.27	1.0	204			
	9-23-65	24 Hour	0.6	< 0.1	106			
City of Hollister - Domestic	5-18-66	24 Hour	0.5	1.0	116			
	9-15-66	24 Hour	0.6	1.0	150			
	5-31-67	24 Hour	0.5*	0.5	98			
City of Hollister - Industrial	9-23-65 1200	Grab	5.0*	200	536			
	9-15-66 1345	Grab	6-6.5*	128	512			
	9-13-65	24 Hour	0.3	0.5	55			
City of King City	5-16-66	24 Hour	0.3*	1.5	92			
	9-6-66	24 Hour	0.4	0.7	88			
	5-16-67	24 Hour	0.4	0.5	168			
City of King City - Airport	9-13-65	24 Hour	0.1*	< 0.1	20			
	9-6-66	24 Hour	0.1*	< 0.1	48			
	9-16-65	24 Hour	2.6	< 0.1	70			
City of Monterey	5-13-66	8 Hour	2.4	0.1	70			
	9-21-66	24 Hour	2.5	0.1	94			
	5-22-67	24 Hour	2.8	< 0.1	124			

Pesticides:

- = 33 ppt
- = 45 ppt
- = 206 ppt

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (m/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of Morgan Hill	9-24-65	24 Hour	0.3	< 0.1	19			
	5-19-66	24 Hour	0.3*	0.5	46			
	9-16-66	24 Hour	0.3	< 0.1	4			
	5-31-67	24 Hour	0.3*	0.9	44			
	9-17-65	24 Hour	1.4	< 0.1	90			
City of Pacific Grove	5-11-66	8 Hour	1.3	0.1	106			
	9-10-66	24 Hour	1.5	0.1	94			
	5-18-67	24 Hour	1.6	0.1	60			
	9-15-65	24 Hour	5.0*	0.1	56			
	6-8-66	24 Hour	7.5	0.0	24			
City of Salinas - Plant No. 1	9-8-66	24 Hour	7.7	0.4	46			
	6-1-67	24 Hour	6.4	0.4	24			
	9-14-65	24 Hour	1.0*	0.1	20			
	6-8-66	24 Hour	1.0*	0.0	20			
	9-8-66	24 Hour	1.0*	< 0.1	6			
City of Salinas - Industrial	6-1-67	24 Hour	1.0	0.1	34			
	6-2-67	Grab	1.5	0.0	8			
	0930							
	5-11-66	Grab	0.1*	0.2	38			
	0800							
City of San Juan Bautista	6-1-67	Grab	0.1*	< 0.1	104			
	0930							

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Soluble Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
CENTRAL COASTAL REGION (NO. 3) (CONT.)								
City of Santa Cruz	9-20-65	24 Hour	3.9	0.7	147			New Plant Under Construction, flow meter not in operation
	5-9-66	24 Hour	2.8	3.0	166			
	9-12-66	24 Hour	--	0.2	136			
Seaside County Sanitation District	5-23-67	24 Hour	5.2	1.0	216			
	9-16-65	24 Hour	1.5	< 0.1	88			
	5-10-66	8 Hour	1.3	0.8	140			
	9-21-66	24 Hour	1.4	0.2	144			
	5-21-67	24 Hour	1.5	< 0.1	156			
City of Soledad	9-21-65 1130	Grab	0.2*	< 0.1	81			
	9-8-66 1600	Grab	0.2*	0.3	150			
	9-14-65	24 Hour	0.6	0.1	16			
Soledad, California Correctional Training Facility	5-16-66	24 Hour	0.5	1.0	100			
	9-7-66	24 Hour	0.6	0.1	12			
	5-16-67	24 Hour	0.5	0.3	52			
Tres Pinos County Water District	9-23-65 1200	Grab	0.01	0.2	124			
	9-15-66 1330	Grab	0.01	0.1	104			
	9-22-65	24 Hour	5.8	0.1	102			
City of Watsonville	5-11-66	24 Hour	5.4	1.0	78			
	9-14-66	24 Hour	6.9	0.7	110			
	5-23-67	24 Hour	6.7	1.0	84			
Western Pacific Sanitation Company (Toro Park)	6-2-67 0545	Grab	0.03	0.1	80			

* Estimated Flow

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA

Figure F-1 Sheet 3 of 6 - Southern Portion of North Coastal Region (No. 1)

<u>No.</u>	<u>Discharger</u>	<u>No.</u>	<u>Discharger</u>
1	City of Cloverdale	4	City of Santa Rosa
2	City of Healdsburg	5	City of Sebastopol
3	Mendocino State Hospital	6	City of Ukiah

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2)

7	City of Benicia	32	Oro Loma Sanitary District
8	City of Burlingame	33	City of Pacifica, Sharp Park Plant
9	C and H Sugar Refinery	34	City of Pacifica, Linda Mar Plant
10	Central Contra Costa Sanitary District	35	City of Palo Alto
11	Contra Costa Sanitary District No. 7A	36	City of Petaluma
12	City of Concord	37	City of Pinole
13	Crockett-Valona Sanitary District	38	City of Pleasanton
14 E	East Bay Municipal Utility District	39	City of Redwood City
15	Fairfield-Suisun Sewer District	40	City of Richmond
16	City of Hayward	41	Rodeo Sanitary District
17	Las Gallinas Valley Sanitary District	42	Cities of San Carlos-Belmont
18	City of Livermore	43	City and County of San Francisco, McQueen Plant
19	City of Los Altos	44	City and County of San Francisco, North Point Plant
20	Marin County Sanitary District No. 1	45	City and County of San Francisco, Richmond-Sunset Plant
21	Marin County Sanitary District No. 6 Ignacio	46	City and County of San Francisco, Southeast Plant
22	Marin County Sanitary District No. 6 Novato	47	City of San Jose
23	City of Martinez	48	City of San Leandro, Domestic and Industrial
24	Menlo Park Sanitary District	49	City of San Mateo
25	City of Mill Valley	50	San Pablo Sanitary District
26	City of Millbrae	51	San Rafael Sanitation District
27	Milpitas Sanitary District	52	Sausalito-Marín City Sanitary District
28	City of Mountain View	53	Shell Chemical Company, Pittsburg Plant
29	Mountain View Sanitary District	54	Sonoma Valley County Sanitation District
30	Napa Sanitation District		
31	North San Mateo County Sanitation District		

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA (Continued)

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2) (Continued)

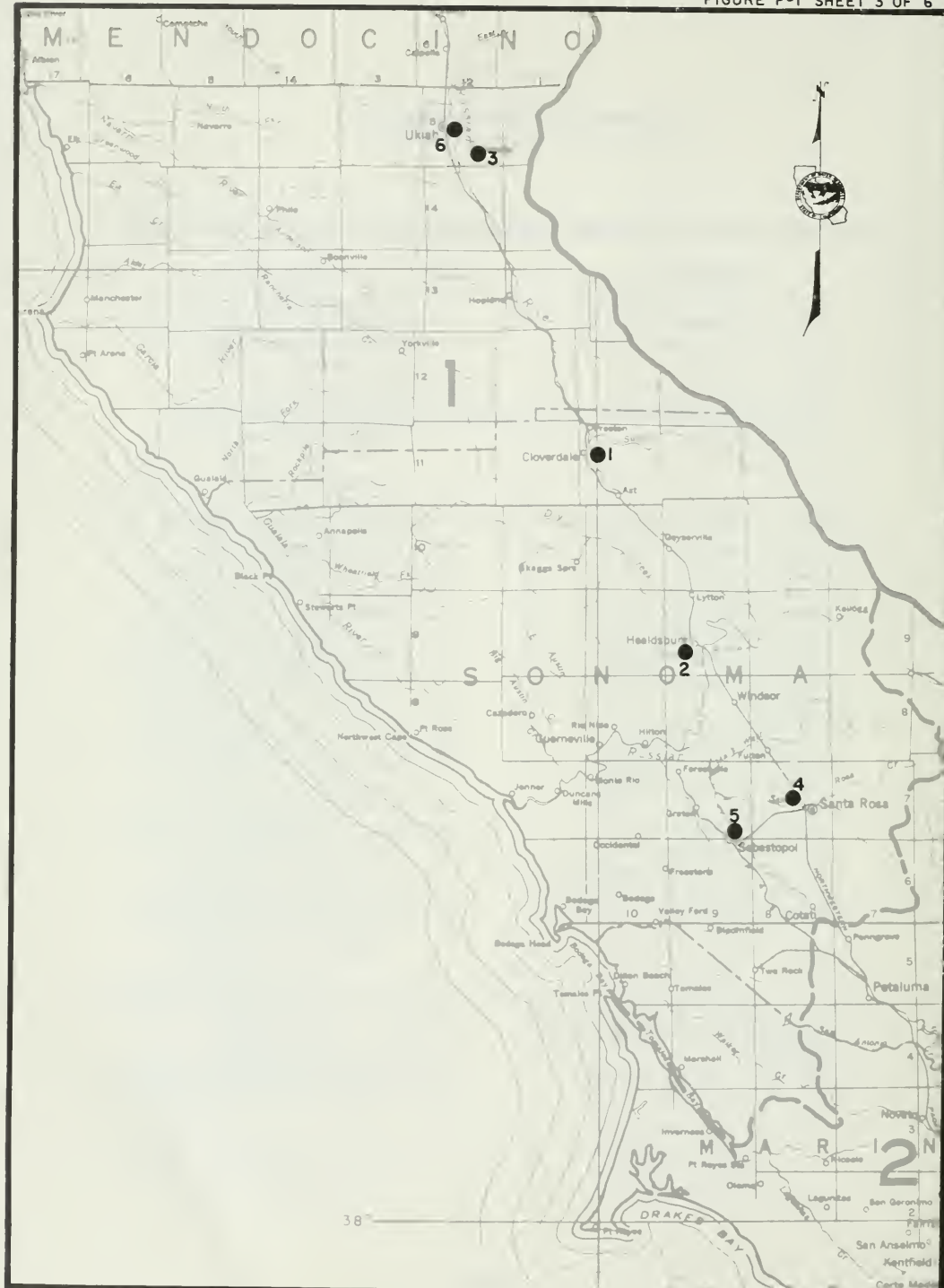
<u>No.</u>	<u>Discharger</u>	<u>No.</u>	<u>Discharger</u>
55	Cities of South San Francisco and San Bruno	60	Union Sanitary District, Irvington Plant No. 2
56	Stege Sanitary District	61	Union Sanitary District, Alvarado Plant No. 3
57	City of Sunnyvale	62	Vallejo Sanitation and Flood Control District
58	Travis Air Force Base	63	Valley Community Services District
59	Union Sanitary District, Newark Plant No. 1		

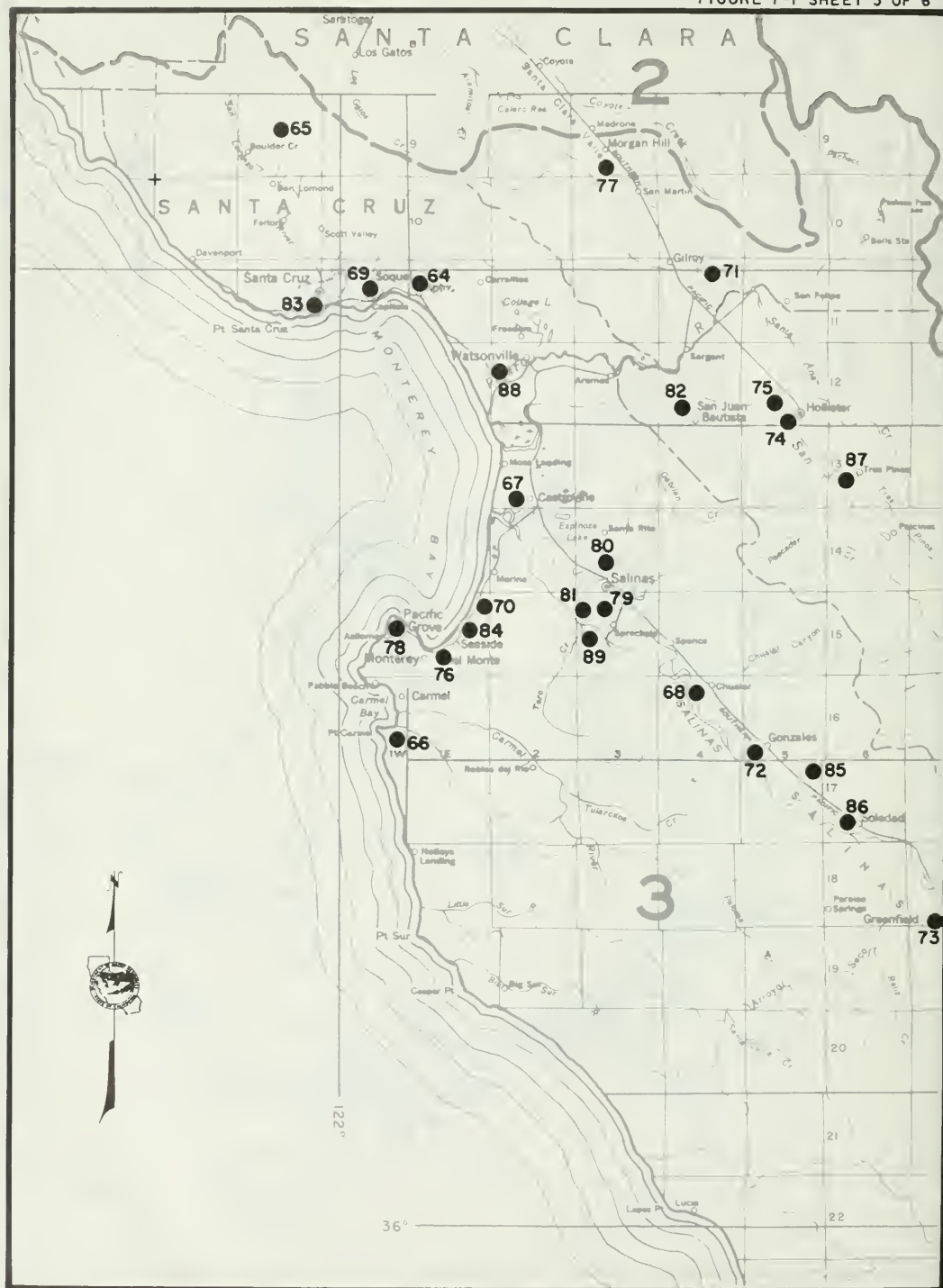
Figure F-1 Sheet 5 of 6 - Northern Portion of Central Coastal Region (No. 3)

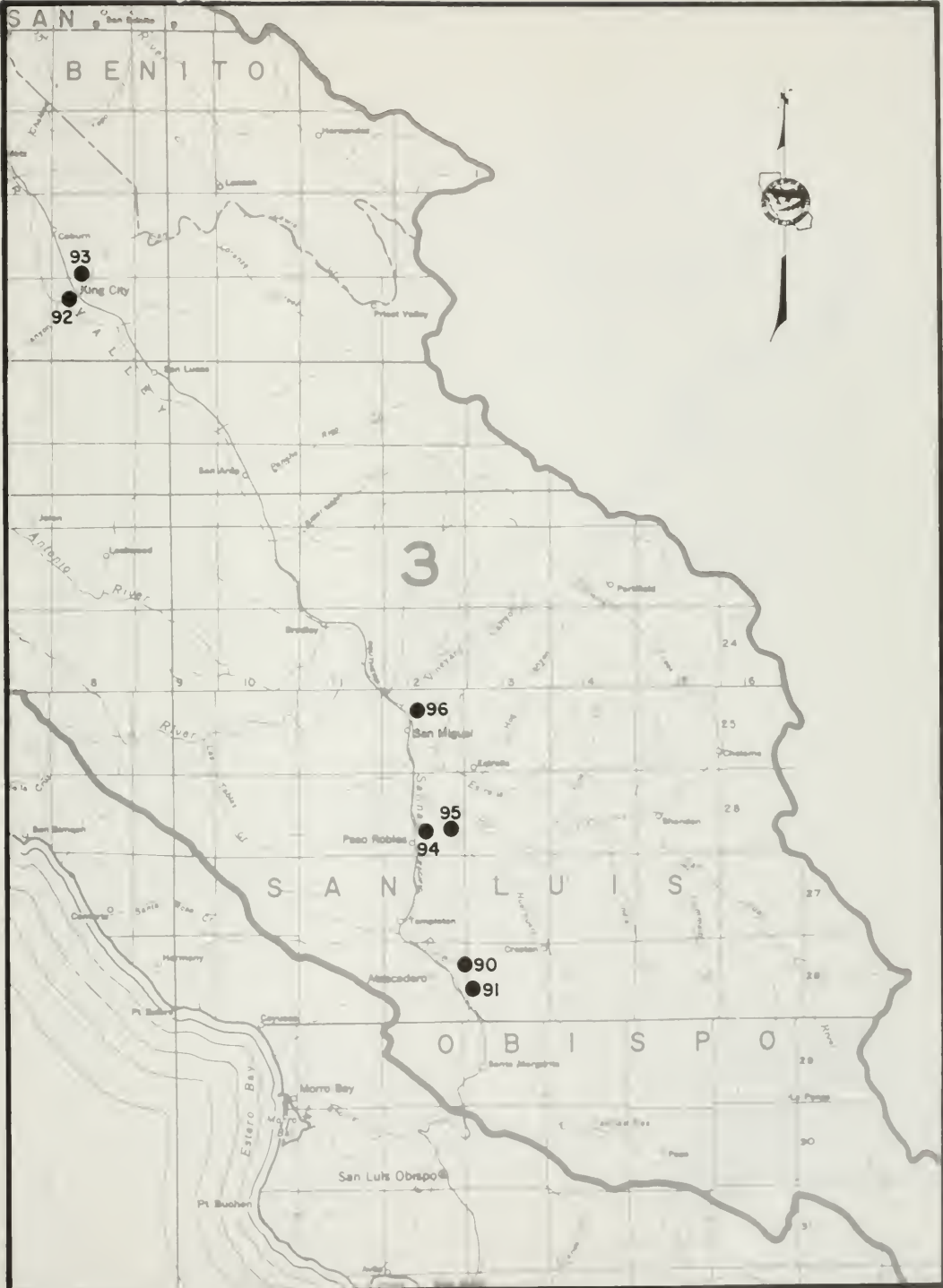
64	Aptos County Sanitation District	77	City of Morgan Hill
65	Bear Creek Estates	78	City of Pacific Grove
66	Carmel Sanitary District	79	City of Salinas, Domestic Plant No. 1
67	Castroville County Sanitation District	80	City of Salinas, Domestic Plant No. 2
68	Chular County Sanitation District	81	City of Salinas, Industrial Plant
69	East Cliff County Sanitation District	82	City of San Juan Bautista
70	Fort Ord, Main Garrison	83	City of Santa Cruz
71	City of Gilroy, Domestic and Industrial	84	Seaside County Sanitation District
72	City of Gonzales	85	Soledad State Prison
73	City of Greenfield	86	City of Soledad
74	City of Hollister, Domestic	87	Tres Pinos County Water District
75	City of Hollister, Industrial	88	City of Watsonville
76	City of Monterey	89	Western Pacific Sanitation Company (Toro Park)

Figure F-1 Sheet 6 of 6 - Middle Portion of Central Coastal Region (No. 3)

90	Atascadero Sewer Maintenance District	93	King City Airport
91	Atascadero State Hospital	94	City of Paso Robles
92	City of King City	95	Paso Robles School for Boys
		96	San Miguel Sanitary District









LEGEND

TYPE OF DATA

- ● ○ PRECIPITATION ONLY
- ○ ○ PRECIPITATION, STORAGE
- ● ○ PRECIPITATION AND TEMPERATURE
- ● ○ PRECIPITATION, TEMPERATURE AND EVAPORATION

TYPE OF GAGE

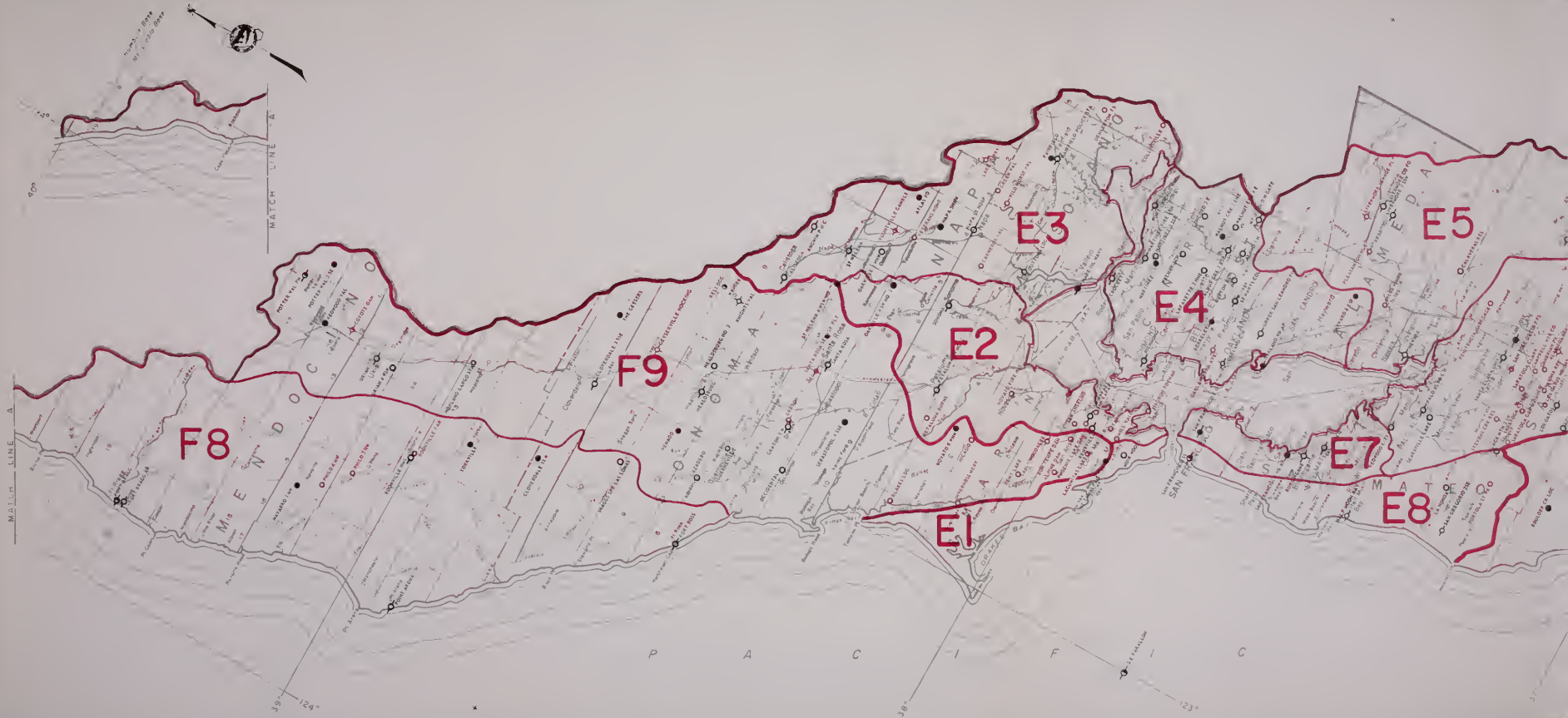
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- RECORDING
- BOTH TYPES

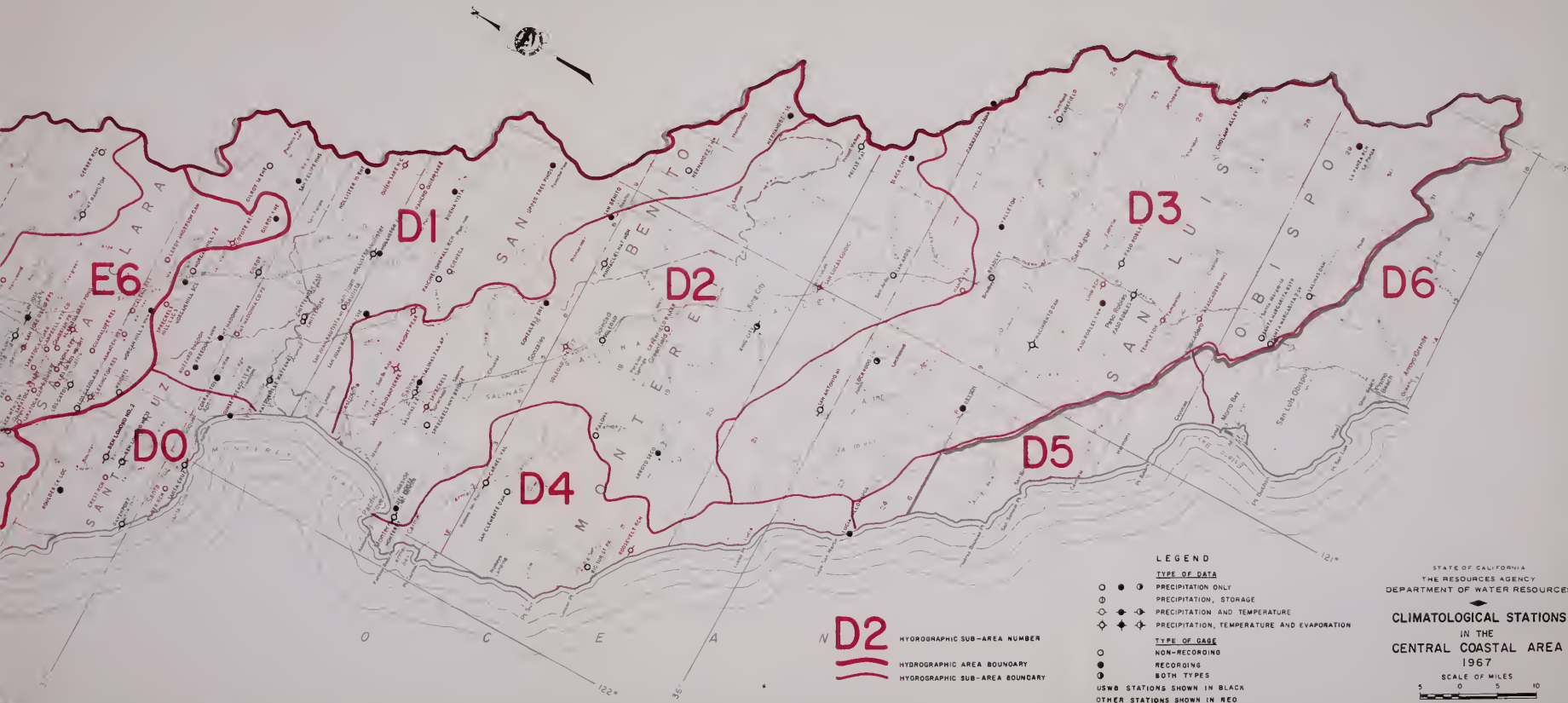
USWB STATIONS SHOWN IN BLACK
OTHER STATIONS SHOWN IN RED

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

CLIMATOLOGICAL STATIONS IN THE CENTRAL COASTAL AREA 1967







LEGEND

TYPE OF DATA

- ● ● ● PRECIPITATION ONLY
- ○ ○ ○ PRECIPITATION, STORAGE
- ○ ○ ○ PRECIPITATION AND TEMPERATURE
- ◆ ◆ ◆ ◆ PRECIPITATION, TEMPERATURE AND EVAPORATION

TYPE OF GAGE

- NON-RECORDING
- RECORDING
- ◆ BOTH TYPES

USWB STATIONS SHOWN IN BLACK
OTHER STATIONS SHOWN IN RED

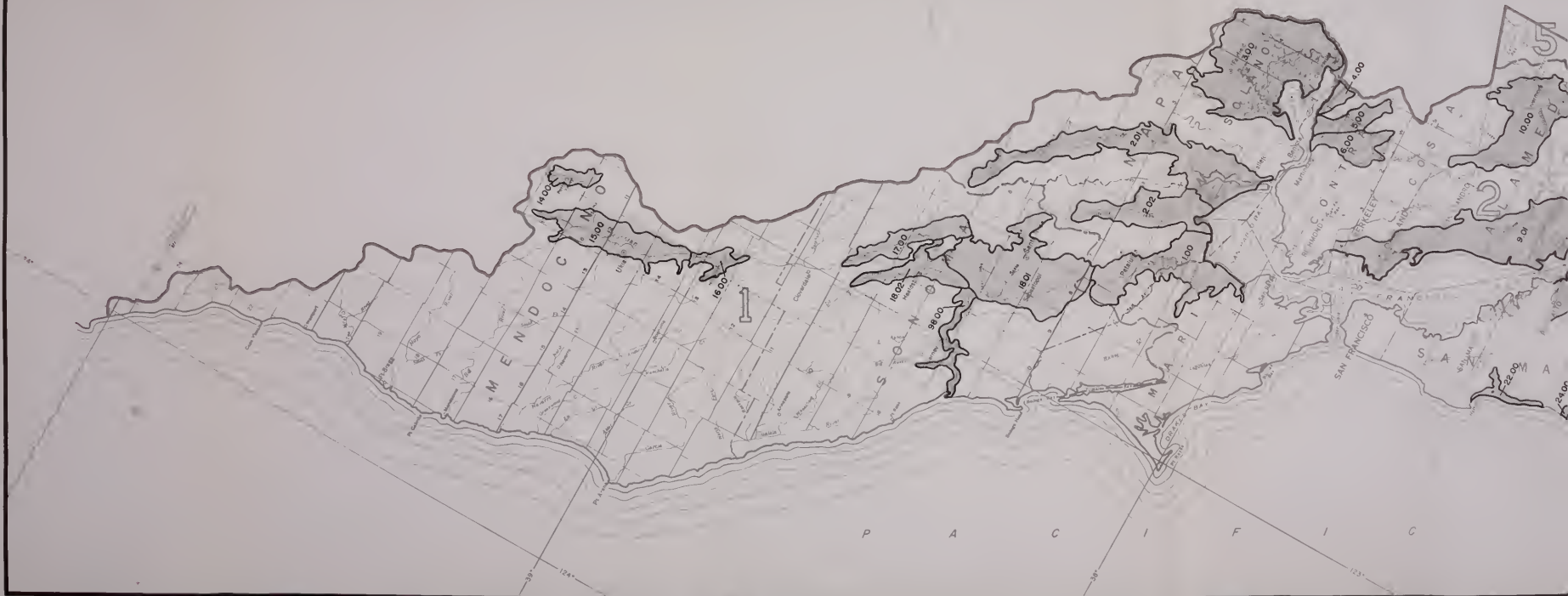
D2
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HYDROGRAPHIC AREA BOUNDARY
HYDROGRAPHIC SUB-AREA BOUNDARY

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

CLIMATOLOGICAL STATIONS
IN THE
CENTRAL COASTAL AREA
1967

SCALE OF MILES
0 5 10







- LEGEND
- 1 WATER QUALITY CONTROL BOARD REGION NUMERAL
 - WATER QUALITY CONTROL BOARD REGION BOUNDARY
 - 200 GROUND WATER BASIN OR UNIT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

GROUND WATER BASINS OR UNITS
IN THE
CENTRAL COASTAL AREA
1967

SCALE OF MILES
0 5 10

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1945.

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1945.



SURFACE WATER MEASUREMENT STATIONS

HYDROGRAPHIC AREA F

San Francisco Bay (F0)
R03300 Suisun Bay at Benicia

Sage-Solano (F3)
E31110 Sacramento River at Collierville
1400 Hector Reservoir near Yountville

SURFACE WATER QUALITY STATIONS

HYDROGRAPHIC AREA B

Sacramento-San Joaquin Delta (B0)
B01070.10 Suisun Bay at Pittsburg

HYDROGRAPHIC AREA D

Santa Cruz (D0)
D01200.00 San Lorenzo River at Big Trees
3100.00 Sequel Creek at Sequel
2904.52 Monterey Bay at Santa Cruz

Pajero-San Benito Rivers (D1)
D11250.00 Pajero River at Chittenden
1371.50 Pitas Creek near Morgan Hill
2450.00 San Benito River near Bear Valley
Fire Station

Lower Salinas River (D2)
D21270.00 Salinas River near Sprackels
1050.00 Salinas River near Bradley

Upper Salinas River (D3)
D31450.00 Salinas River at Paso Robles
2200.00 San Antonio River near Playto
2530.00 Lucientes River near San Miguel

Monterey Coast (D4)
D41200.00 Carmel River at Hobbs del Rio

HYDROGRAPHIC AREA S

San Francisco Bay (S0)
S03700.90 Carquena Strait at Crockett
3200.00 Suisun Bay at Middle Point
3200.90 Suisun Bay at Fort Chicago
3300.10 Suisun Bay at Martinez
E045.33 San Francisco Bay at San Mateo Bridge
E015.27 San Francisco Bay at Coyote Point
C009.55 San Francisco Bay at Treasure Island
C047.77 San Francisco Bay near Fort Point
N070.01 San Pablo Bay at Point San Pablo
1030.19 Suisun Bay at Benicia

Sage-Solano (S3)
S31100.50 Sage River at Dutton Landing
1110.00 Sacramento River at Collierville
1500.00 Sage River near St. Helena

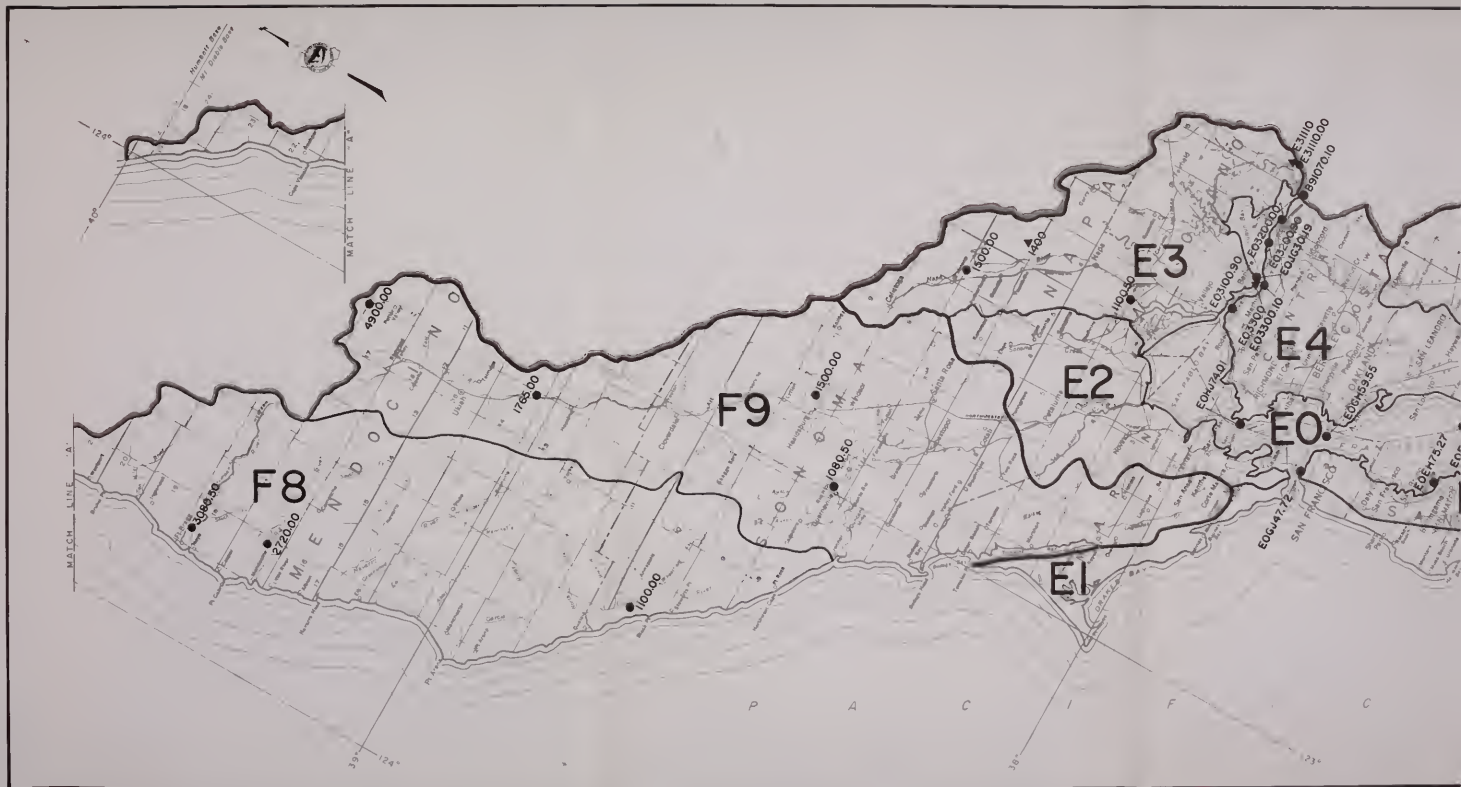
Alameda Creek (S4)
S41150.00 Alameda Creek near Hiles
1400.00 Arroyo del Valle near Livermore

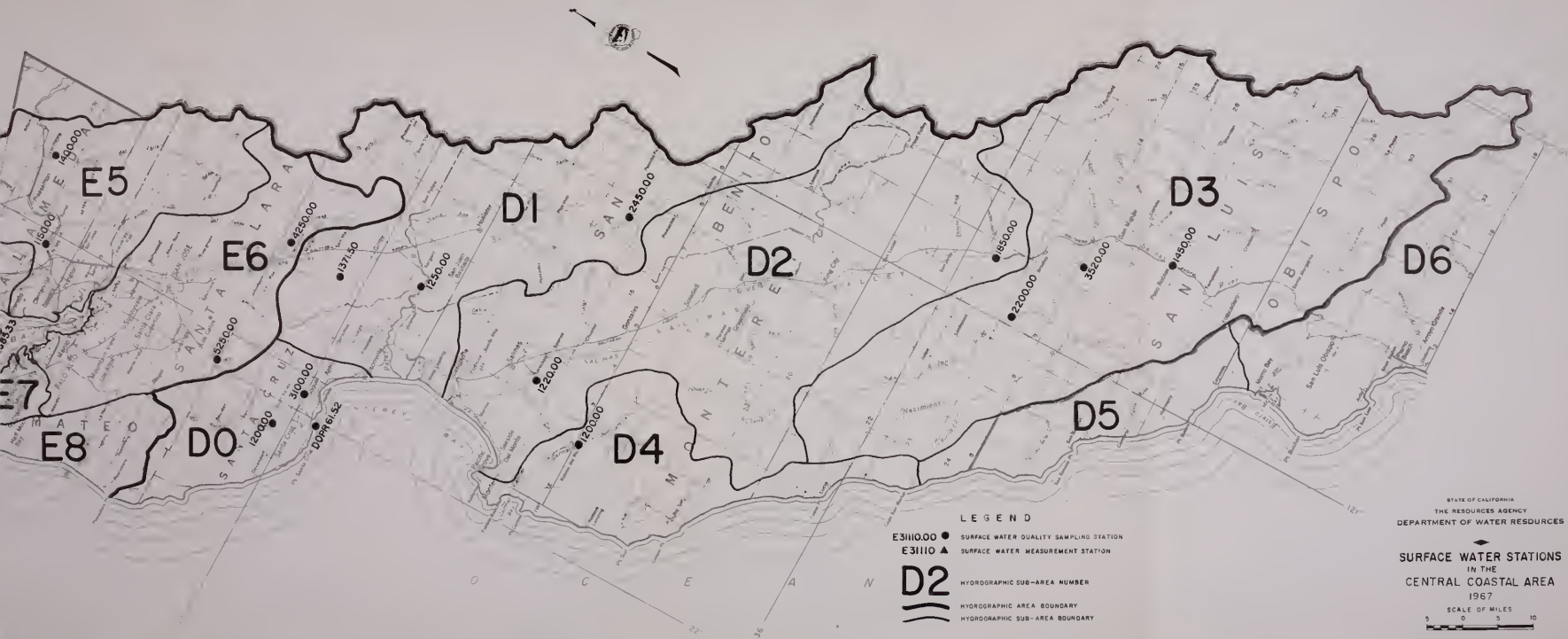
Santa Clara Valley (S6)
S64250.00 Coyote Creek near Madrone
3150.00 Los Gatos Creek at Los Gatos

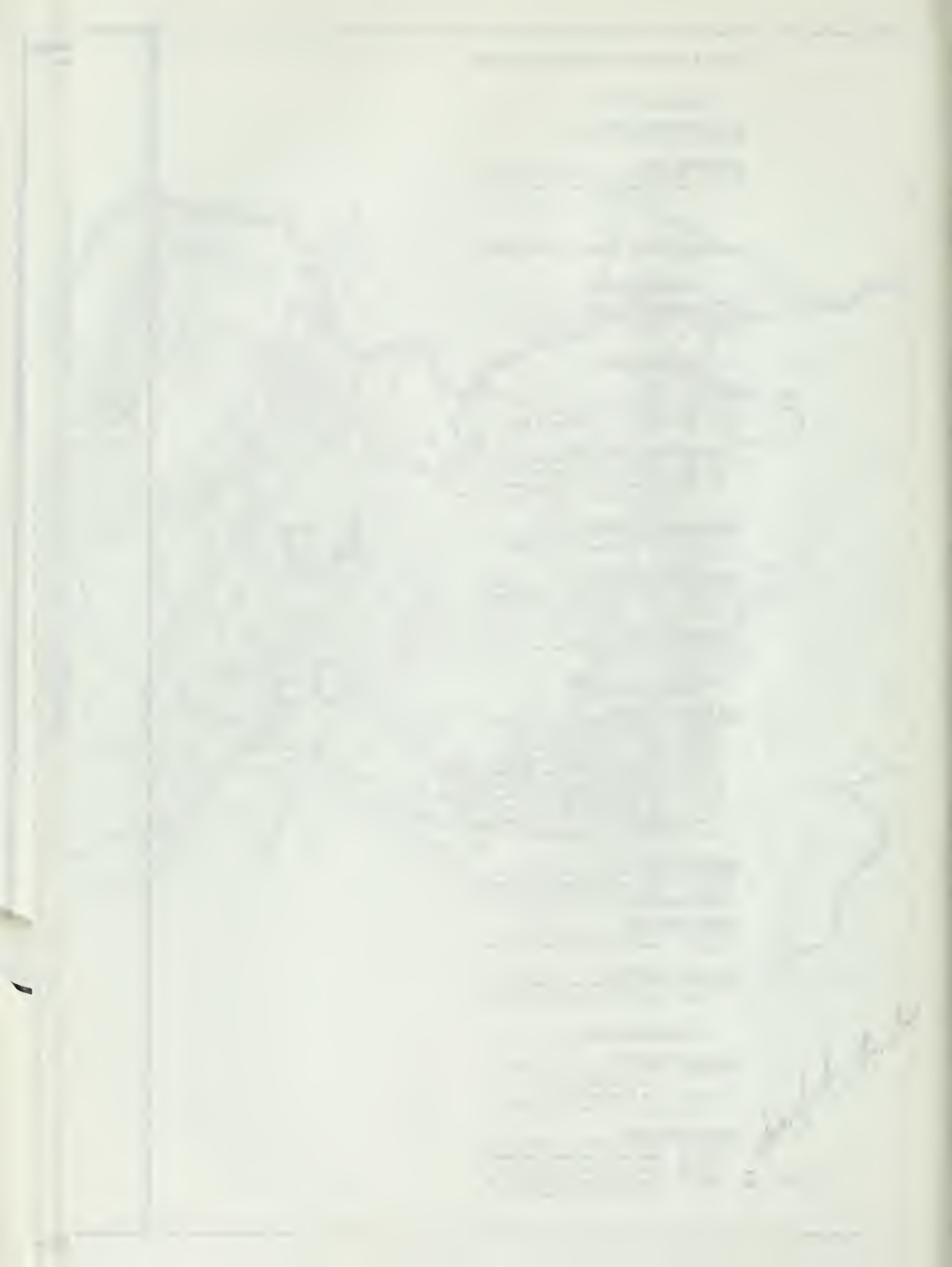
HYDROGRAPHIC AREA V

Hoodlun Coast (V0)
V01100.00 Gustala River, South Fork,
near Amapolis
2720.00 Big River near Nouth
3080.50 Hoyo River near Fort Bragg

Russian River (V3)
V31080.50 Russian River at Guerneville
1500.00 Russian River near Mendocino
1765.00 Russian River near Hopland
4900.00 Russian River, East Fork, at
Tutter Valley Powerhouse









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